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# Wausau West

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## H I G H   S C H O O L



### Career Planning & Course Registration Handbook 2024-2025

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## **Wausau School District – 8 Key Interests**

- Student learning, achievement, and success are at the heart and are the filters for all decision making.
- Utilize research-based curricula that reflect 21<sup>st</sup> Century themes and applications and are responsive to the needs and potential of all students, preparing them for a global society.
- Provide authentic, diverse learning opportunities with practical applications in the classroom and beyond.
- The Wausau School District informs and engages the community in shaping educational strategy and formulating responses to change.
- To attract, retain, and develop a high quality, creative, and innovative workforce and leaders.
- Provide safe, secure, flexible, and attractive environments that support and enhance teaching and learning.
- Embrace, promote, and expand technology to maximize learning for all.
- Promote mutually beneficial partnerships and collaborations that expand learning opportunities and make other resources available.

### **WAUSAU WEST** **MISSION STATEMENT**

Wausau West strives to be a unique learning community that encourages learning at high levels in order for all individuals to successfully participate in a democratic and diverse society. The tradition of innovation that has existed within a culture that values the flexibility fostered by modular scheduling needs to be perpetuated.

Dear Students, Parents and Guardians:

This *Career Planning and Course Registration Handbook* has been prepared by Wausau West High School to assist you in selecting and registering for courses of study for the upcoming school year. The handbook describes classes offered at Wausau West and provides information about our registration process, graduation requirements and Career Clusters. It also describes minimum admission standards for the University of Wisconsin System and Northcentral Technical College (NTC) and identifies courses that can lead to dual or college credit.

To help with the planning process, Wausau West encourages parents and students to have discussions at home about career goals, interests and skills. Students and families are reminded to use the available services and supports found in our fabulous Career Center which is located in room 183. The Career Center has resources that can assist in linking student's interests and abilities to available Career Clusters which can then be linked to typical majors, recommended courses and related activities. This information can be used to guide the development or modification of the student's Academic and Career Plan (ACP). Please note Career Cluster information is located before the actual course descriptions.

We all recognize that parents, counselors, teachers and homeroom advisors play a tremendously important role in guiding the course selection process. The primary responsibility, however, rests with **the student** as they establish goals and plans for their future.

**Please consider the following when planning for the 2024-2025 school year:**

**Plan ahead. Know the graduation requirements.** Use the enclosed 4-year planning worksheet (located on page 4 of the Handbook), information in Xello (formerly known as Career Cruising), input from homeroom advisors, the Career Cluster information, the Career Center and/or your school counselor to help plan course selections.

**Remain current in regards to college/university or technical college entrance requirements.** Students with a career goal in mind are more successful than those students who don't have a plan or goal. If in doubt about credits or courses for graduation, 4-year college/university or technical college plans, see your school counselor or Career Center Coordinator and/or go to the Wausau West website at [west.wausauschools.org](http://west.wausauschools.org) > Student Services > Counseling.

**Current grade 9 – 11 students** are encouraged to discuss course selections with their homeroom advisor prior to final registration. Parents and students, please plan to meet with your homeroom advisor on the evening of **February 5, 2024. This is when you and your student will finalize course selections.**

**Current eighth grade students** will be meeting with middle and high school counselors to work through the course selection and registration process. Parents, along with their 8<sup>th</sup> grade students, will be invited to **8<sup>th</sup> Grade Parent Night on January 22, 2024.**

Please be thoughtful in this process to ensure that your course selections are the best possible choices for you. Once course selections are made, there are strict guidelines that govern schedule changes.

My best to you,



Jon Tamski  
Associate Principal – Programming

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### IMPORTANT NOTE!

Some of the courses listed in this edition of the Wausau West Career Planning and Course Registration Handbook may not be offered. It is through the student registration process that we begin to confirm course offerings (see page 2).

The fees listed in this book have been proposed/projected to cover cost of consumable materials. They are subject to change with school board approval through the 2024-2025 budget process.

## DEPARTMENT CONTACT GUIDE FOR QUESTIONS

Here is a list of staff that can help assist you with questions during the registration process:

CAREER CENTER			
Kay Pickar – Coordinator		261-0853	kpickar@wausauschools.org
COUNSELING DEPARTMENT			
Joe Kelter – Dept. Leader		261-0891	jkelter@wausauschools.org
DEPARTMENT LEADERS			
Agriscience	Michelle Heeg	261-0850, ext. 34174	mheeg@wausauschools.org
Art	Samantha Slowiak	261-0850, ext. 34118	slowiak@wausauschools.org
Business/Marketing Education	Carl Hert	261-0865	chert@wausauschools.org
English	John Masanz	261-0879	jmasanz@wausauschools.org
Multilingual Learner	Tyler Litman	261-0902	tlitman@wausauschools.org
Family & Consumer Science	Trisha Sirny	261-0907	tsirny@wausauschools.org
Global Language	Jerry Reinardy	261-0905	jreinrdy@wausauschools.org
Math	Jim Wendling Jason Myers	261-0920 261-0850, ext. 34147	jwendling@wausauschools.org jmyers@wausauschools.org
Music	Daniel Emerson	261-0850, ext. 34102	demerson@wausauschools.org
Physical Education	Janna Hillman	261-0863	jhillman@wausauschools.org
Science	Mike Scheidler	261-0882	mscheidl@wausauschools.org
Social Studies	Elayna Clark	261-0929	eclark@wausauschools.org
Special Education	Nathan Lemmens Crystal Zernicke	261-0376 261-0338	nlemmens@wausauschools.org czernick@wausauschools.org
Technology and Engineering Education	Theran Peterson	261-0332	tpeterso@wausauschools.org
PROGRAMMING DEPARTMENT			
Associate Principal-Programming	Jon Tomski	261-0862	jtomski@wausauschools.org

*The Wausau School District does not discriminate against individuals 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. Federal law prohibits discrimination in education and employment on the basis of age, race, color, national origin, sex, religion, or disability.*

## REGISTRATION POLICIES

When choosing courses, a student's career goals, interests, learning style and abilities should be seriously considered. Students are encouraged to take full advantage of the many opportunities available at West High School, however students need to select courses carefully! Once student registrations are finalized in late January/early February, many related administrative decisions are made. **Budgeting, class size, number of course sections and teacher assignments are based on student course choices and overall school enrollment. Therefore, individual student decisions regarding course selections are very important.**

Students currently in grades 9 – 11 and their parents will have the opportunity to schedule an appointment with their Homeroom Advisor on **February 5, 2024** to review and finalize course selections.

Parents of eighth grade students planning to attend Wausau West High School will be invited to **Eighth Grade Parent Night on January 22, 2024**. Registration and course selection will be coordinated between the student, middle school staff, parent/guardian and West Counseling staff.

1. **Students need to register for** six (6) one-half (.5) credit courses, and a physical education class each semester. Physical Education is required each semester until the graduation requirements are met.
2. **It is important to monitor your Academic and Career Plan progress** to meet graduation requirements. The 4-year Planning Sheet is available on page 4 of this handbook.
3. **Before selecting a class, check the course description to be sure it fits your needs, interests and abilities.** Some courses indicate that you must have completed the prerequisite coursework, others indicate that you must have teacher approval, and still others have course fees. Read the information in the course description handbook carefully.
4. **Once your course selections have been made and the request sheet is completed,** the form is submitted electronically by the Homeroom Advisor to the Programming Office. **Be fully committed to the courses that you select. Schedule changes will only be made if one or more of the following occur:**
  - **Programming error**
  - **Series of conflicts with the class**
  - **Failure in a required course or prerequisite**
  - **Course adjustment to meet graduation requirements**
5. **Course offerings and the number of sections available are dependent upon budget requirements and the student registrations** received in February. Some students, therefore, may be asked to postpone taking a given course if the sections are full or if the course is not offered due to low enrollments. Administration reserves the right to make any and all final decisions regarding course additions, drops or changes.
6. **Conflict Resolution Day (CRD) is a vital aspect of flex mod.** With flexible modular scheduling, conflicts between courses can arise. CRD is held to allow students to work with teachers to resolve schedule conflicts. CRD for Semester 1 is typically held the first day of school. Semester 2 CRD has been scheduled for Tuesday, January 16, 2024.

## GRADUATION REQUIREMENTS

The responsibility for completing all graduation requirements at the proper time rests with the student. While faculty and counselors will assist students in planning their program, they are not expected to relieve the students of their responsibility.

**Twenty-three credits are required for graduation from Wausau West High School. Course and testing requirements, including certain required courses, are outlined below.**

Area	Requirement	Typical Course Sequence
Physical Education	1.50 credits	PE 9 and 4 Semesters of PE Electives*
Health Education	.50 credits	1 Semester
English	4 credits	English 9, English 10 and 4 semesters of additional English to include: 1 semester each of Composition and Literature plus 2 additional English courses
Social Studies	3.50 credits	US History I, US History II, World History and .50 credit of Social Studies Elective State Civics Test – Wisconsin graduation requirement
Science	3 credits	Integrated Bio/Phy Science 9, Integrated Bio/Phy Science 10, and additional courses must then be selected to meet Science graduation requirements
Mathematics	3 credits	Int Math I, Geometry <i>or</i> Geometry in Construction, Algebra II
Electives	7.00 credits	
Financial Literacy	.50 credits	Passing one of these 3 classes will fulfill this requirement. Personal Financial Management – Bus/Marketing Ed Dept. Economics – Social Studies Department Money Matters – Family & Consumer Science Department

**Note:** **Wausau West High School graduation requirements are NOT college admission requirements.** Please read page 10 of the Registration Handbook to become aware of general college requirements. Specific requirements can be found in each college handbook or on-line. Please see your counselor or Career Center Coordinator for more information.

**Note: IMPORTANT NOTICE:** By meeting these minimum graduation requirements without taking additional rigorous courses, you may be unprepared for future jobs, education, or military opportunities. Our recommendation is that each student take the most rigorous selection of courses, based on their future goals, which they can successfully manage.

**Note:** Students who are excused from Physical Education for medical reasons will find it necessary to earn additional credits to obtain the required number for graduation. A physician statement that excuses the student from Physical Education needs to be on file in the Nurse's Office. If you have questions, please see your counselor.



## WAUSAU WEST 4 – YEAR PLAN (23 credits required)

<b>GRADE 9</b>									
SEMESTER 1					SEMESTER 2				
		Course	Grade	Credit			Course	Grade	Credit
1	English 9			.50	1	English 9			.50
2	US History I			.50	2	US History I			.50
3	Science			.50	3	Science			.50
4	Math			.50	4	Math			.50
5	Elective			.50	5	Elective			.50
6	Elective			.50	6	Elective			.50
	P.E. 9			.25		P.E. 9			.25
Total Semester 1 Credits:					Total Semester 2 Credits:				
Cumulative Credits: _____									
<b>GRADE 10</b>									
SEMESTER 1					SEMESTER 2				
		Course	Grade	Credit			Course	Grade	Credit
1	English 10			.50	1	English 10			.50
2	US History II			.50	2	US History II			.50
3	Science			.50	3	Science			.50
4	Math			.50	4	Math			.50
5	Elective			.50	5	Elective			.50
6	Elective			.50	6	Elective			.50
	P.E. Elective/Health			.25/.50		P.E. Elective/Health			.25/.50
Total Semester 1 Credits:					Total Semester 2 Credits:				
Cumulative Credits: _____									
<b>GRADE 11</b>									
SEMESTER 1					SEMESTER 2				
		Course	Grade	Credit			Course	Grade	Credit
1	English			.50	1	English			.50
2	World History			.50	2	World History			.50
3	Science			.50	3	Science			.50
4	Math			.50	4	Math			.50
5	Elective			.50	5	Elective			.50
6	Elective			.50	6	Elective			.50
	P.E. Elective			.25		P.E. Elective			.25
Total Semester 1 Credits:					Total Semester 2 Credits:				
Cumulative Credits: _____									
<b>GRADE 12</b>									
SEMESTER 1					SEMESTER 2				
		Course	Grade	Credit			Course	Grade	Credit
1	English			.50	1	English			.50
2	Social Studies (S1 or S2)			.50	2	Elective			.50
3	Elective			.50	3	Elective			.50
4	Elective			.50	4	Elective			.50
5	Elective			.50	5	Elective			.50
6	Elective			.50	6	Elective			.50
	P.E. Elective (S1 or S2)			.25		P.E. Elective (S1 or S2)			.25
Total Semester 1 Credits:					Total Semester 2 Credits:				
Cumulative Credits: _____									
<b>Financial Literacy Requirement Met:</b> _____ <b>Civics Test Requirement Met:</b> _____									

## ADDITIONAL EDUCATIONAL OPPORTUNITIES

### I. ADVANCED PLACEMENT COURSES

Students at Wausau West who are planning to pursue a college education may wish to get a head start by taking advantage of the Advanced Placement Courses. Most colleges (2-year and 4-year) grant credits for specific scores received on the Advanced Placement tests administered by the College Board. See [apstudent.collegeboard.org](http://apstudent.collegeboard.org) for more information. The courses listed below are available through the curriculum at Wausau West. **Students need to contact specific college to determine if and how Advanced Placement course credit is awarded.** Please see Ms. Teri Sether, AP Coordinator, or your counselor to find out more information.

DEPARTMENT	GRADE LEVEL	COURSES
Art	12	Advanced Placement Studio Art
English	12	Advanced Placement Literature
Mathematics	9-12	Advanced Placement Calculus (AB)
	9-12	Advanced Placement Statistics
	10-12	Advanced Placement Computer Science A
Global Language	12	Advanced Placement French
	12	Advanced Placement German
	12	Advanced Placement Spanish
Science	11-12	Advanced Placement Biology (Follows full year of Biology Extended)
	11-12	Advanced Placement Chemistry (Follows full year of Chemistry)
	11-12 (10*)	Advanced Placement Physics
Social Studies	10	Advanced Placement US History
	11-12	Advanced Placement European History
	11-12	Advanced Placement Microeconomics
	11-12	Advanced Placement Macroeconomics
	11-12	Advanced Placement US Government
	11-12	Advanced Placement Psychology

\* Open to Grade 10 with written approval/signature from science 9/10 teacher

## II. DUAL CREDIT COURSES



NICOLET COLLEGE



UNIVERSITY OF WISCONSIN  
GREEN BAY



R.I.T.



Knowledge That Works

UWO  
UNIVERSITY OF WISCONSIN  
OSHKOSH

**Dual credit course offerings allow high school students to earn high school credit, college credit and save money on tuition.** These courses are taught in the high school by college-certified high school instructors. Please see the department teachers for details about West dual credit course offerings and grade requirements. Transferability of these credits is determined by the receiving college. The following courses are being offered for Dual Credit:

DEPARTMENT	GRADE LEVEL	DUAL CREDIT COURSE
Agriscience	10-12 10-12 10-12	Vet Science Advanced Conservation Horticulture
Business/Marketing	10-12 11-12 12 9-12 9-12	Accounting II Accounting IV Advanced Marketing Microsoft Office Keyboarding
Family & Consumer Sciences	12 9-12 11-12 9-12 10-12 10-12 10-12	Aspiring Educators Child Development Early Childhood Services Foods & Nutrition II Foods & Nutrition III Health Occupations I Health Occupations II
Global Language	12	Advanced Placement French
Mathematics	11-12 9-12	Algebra III Pre-Calculus
Physical Education	11-12 11-12 11-12 11-12 11-12	Adventure Based Activities Net Games Outdoor Education Relaxation Techniques Weight Training
Science	11-12	Medical Terminology
Technology & Engineering	10-12 10-12 10-12 9-12 9-12 10-12 10-12 11-12 12	Metals II-Intro to Machine Shop Introduction to Welding Woods II-Fundamentals of Furniture Making Graphic Communications I PLTW Fab Lab 1/2 PLTW Principles of Engineering (POE) Occupational Mechanics I (at East High School) Occupational Mechanics II (at East High School) Auto Academy (at NTC)

**Note:** Typically grade 10 must earn an "A" grade and meet any college requirements to earn dual credit.

Typically grade 9 is not eligible for dual credit.

Speak to the department teachers and college representatives when they visit your class.

### **III. COLLEGE CREDIT PROGRAMS**

#### **EARLY COLLEGE CREDIT PROGRAM (ECCP)**

Effective for the 2018-2019 school year the Early College Credit Program (ECCP) replaced the Youth Options program as it exists in current law. The ECCP statute allows Wisconsin public and private high school students to take one or more courses at an institution of higher education for high school and/or college credit. Under the ECCP, the cost of courses is shared among the institution of higher education, the school district (or private school), the state, and in some cases, the student's family. Neither the institution of higher education or the school board may charge a student any additional costs or fees to a student, except that a school board may limit the amount it will pay to no more than 18 post-secondary semester credits per student.

#### **START COLLEGE NOW (SCN)**

Start College Now (SCN) will allow high school students the opportunity to take college courses at Wisconsin Technical Colleges. Statute 38.12(14) lays out all the aspects of the program.

Applications for enrollment in the Early College Credit Program for summer and/or fall or Start College Now for the fall semester must be made by March 1. Applications for enrollment in the Early College Credit Program for the spring semester must be made by October 1. Please visit the Counseling website for the appropriate application and eligibility information and see your counselor for more information or clarification. Students must be in strong academic standing, and on track with West's graduation requirements. Both programs have strict deadlines and eligibility requirements. Not all students will qualify.



## IV. PROJECT LEAD THE WAY

### Pre-Engineering Academy



**Project Lead the Way (PLTW) is a national pre-engineering program established to help schools give students the knowledge they need to excel in high-tech fields.** Studies of PLTW curriculum have proven that PLTW students become prepared, competent, high-tech employees U.S. industry needs to stay competitive in the global market. With its strong partnership concept, PLTW leverages the collective knowledge and efforts of secondary schools, colleges and universities, and industry to give students rigorous, relevant, reality-based knowledge to better prepare them for college and careers. Furthermore, the research shows, and continues to confirm, that students introduced to engineering principles, concepts, and real-world problems in high school are better prepared for college engineering programs – and more likely to be successful. Introduction at the high school level will allow students to determine if engineering is a desirable career for their future.

PLTW is a sequence of courses which, when combined with college preparatory mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. The PLTW courses offered at Wausau West include: Principles of Engineering, Civil Engineering and Architecture, and Engineering Design and Development.

Classes can be taken in sequence over four years or taken as schedules allow. Why should students take Project Lead the Way classes? Because PLTW is a hands-on, project-based approach to learning that better prepares students for the rigors of college. The pre-engineering program incorporates Math, Science, English, and Technology skills needed for success. Real world problem solving is used to answer the students' age-old questions, "Why do I need to know this?" and "When am I ever going to use this?" In addition, PLTW students from certified schools such as Wausau West High School can take the PLTW/National Affiliate final exams. **If a student successfully passes the final exam, he or she earns the option of purchasing college credit. For additional information visit the PLTW website: [www.pltw.org](http://www.pltw.org).**

**For course offerings at Wausau West, please see page 125.**

## V. YOUTH APPRENTICESHIP – WORK EXPERIENCE

**Wausau West High School offers students a unique opportunity to participate in one of 13 Youth Apprenticeship Programs. This year the following Apprenticeship Programs will be available:**

Agriculture, Food and Natural Resources (AFNR)	Health Science
Architecture and Construction	Hospitality/Lodging/Tourism
Arts, A/V Technology and Communication	Information Technology (IT)
Business	Manufacturing
Education	Marketing
Finance	Science, Technology, Engineering and Math (STEM)
	Transportation, Distribution and Logistics (TDL)

One and/or two-year Youth Apprenticeship programs (taken during junior and senior years) combine academic instruction, technical instruction and work-based learning with an employer, allows students to earn high school credit and earn a state-recognized certificate of occupational proficiency. With the acquired proficiency, students will enter the workforce or go on to post-secondary education with marketable skills. These programs may possibly allow students to receive dual credit at a technical college or university.

To be eligible to apply for Youth Apprenticeship students must display a genuine interest in one of the focused areas. Students need to register for the class during their **sophomore/junior year**. Contact the instructors prior to finalizing course selections and for more information. Accepted students will be selected through an interview process with local employers, enroll in two semesters of related course work, maintain a minimum 2.5 cumulative grade point average, and have a satisfactory discipline and attendance record. Students with GPA's of 2.0-2.49 may be accepted with instructor approval.

**See Mrs. Taryn Fuller, Business/Marketing Education teacher and YA Coordinator for more details.**

Teacher Contacts	Program	Location
Mrs. Taryn Fuller	<ul style="list-style-type: none"> <li>▪ Business</li> <li>▪ Education</li> <li>▪ Finance</li> <li>▪ Health Science</li> <li>▪ Information Technology (IT)</li> </ul>	Wausau West High School
Ms. Michelle Heeg	<ul style="list-style-type: none"> <li>▪ Agriculture Food and Natural Resources (AFNR)</li> </ul>	Wausau West High School
Mr. Theran Peterson	<ul style="list-style-type: none"> <li>▪ Architecture and Construction</li> <li>▪ STEM</li> </ul>	Wausau West High School
Mr. Nick Polak	<ul style="list-style-type: none"> <li>▪ Manufacturing</li> </ul>	Wausau West High School
Mr. Brian Brandt	<ul style="list-style-type: none"> <li>▪ Arts, A/V Technology and Communication</li> </ul>	Wausau West High School
Mr. Carl Hert	<ul style="list-style-type: none"> <li>▪ Hospitality/Lodging/Tourism</li> <li>▪ Marketing</li> </ul>	Wausau West High School
Mr. Mark Poppe	<ul style="list-style-type: none"> <li>▪ Transportation, Distribution &amp; Logistics (TDL)</li> </ul>	Wausau East High School

## **MINIMUM RECOMMENDED PREPARATION** **FOR POST-SECONDARY SCHOOL** **(TECHNICAL COLLEGE, 4-YEAR COLLEGE/UNIVERSITY)**

The chart below identifies general **minimum** post-secondary education requirements that may be necessary for college admission. The counseling department can help you identify what additional courses might be helpful if you know what career area you wish to pursue and/or which technical college or university you hope to attend. Students are encouraged to carefully plan their high school program in order to meet their goals.

<b>ENGLISH</b>	<b>MATHEMATICS</b>	<b>SCIENCE</b>
4 credits: including literature, composition, and other courses that meet college preparatory expectations.	3 - 4 credits: 1 year each in Algebra I, Geometry and Algebra II. Check specific programs/ majors or colleges for additional requirements.	3 - 4 credits: Some colleges or programs/majors may have specific science course requirements.
<b>SOCIAL STUDIES</b>	<b>GLOBAL LANGUAGE</b>	<b>CRITICAL SKILLS</b>
3 1/2 credits: US History I, US History II, World History, 1 semester elective Social Studies.	2 credits of one Global Language is recommended and is specifically required at UW-Madison. Additional years of Global Language may be beneficial.	Additional electives proving exposure to: technology leadership, team building, public speaking or career and technical experiences.
<b>FINE ARTS</b>	<b>RELATED EXPERIENCE</b>	
Some colleges may require courses in Art and/or Music. Check college or program/ major for specifics.	Coursework in particular interest areas, extra-curricular participation and other experiences which lend themselves to specific career preparation.	

**\*\* Please go on-line and check the college catalog to ensure you are meeting the specific requirements of the institution and/or program of choice.**

Students preparing for a 4-year college must acquire a minimum of seventeen (17) credits from the academic areas. (English, Math, Science, Social Studies, Global Language and/or Fine Arts, or that as defined by the specific institution.)

In addition to the required courses listed above, students will need to take an admissions exam and meet class rank requirements. NTC requires the ACT, and other 4-year colleges and universities will accept the ACT or SAT. School extracurricular involvement, community service and rigor of high school courses are some of the other factors considered by colleges as they review applications for admission. Please note that some colleges have more stringent requirements. Wausau West provides these as general guidelines only. **It is strongly recommended that students check with their college of choice as to the specific requirements.**

**\*\* Students planning to participate in Division I or Division II athletics in college must visit the NCAA Eligibility Center website for updated eligibility requirements.**

## CAREER CLUSTERS and Your Post High School Plans

When selecting classes, it is important to keep in mind that what you do in high school matters and can affect what happens after high school. Consequently, we encourage students to think about their future as they select classes for the following year. Career exploration occurs naturally as students take classes that interest them. To gather even more information on careers, students can visit the Career Center (room 183) and take an interest inventory which will match them with Career Clusters. Below is a list of 16 nationally recognized Career Clusters. Each cluster lists specific activities related to various occupations. Each student will be developing their own Academic and Career Plan (ACP) and identifying Career Clusters of interest. Please see Ms. Kay Pickar in the Career Center, your counselor, or your homeroom advisor to find out more information.

	The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.
	Careers in designing, planning, managing, building and maintaining the built environment.
	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
	Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.
	Planning, managing and providing education and training services, and related learning support services.
	Planning and services for financial and investment planning, banking, insurance, and business financial management.
	Planning and performing government functions at the local, state and federal levels, including governance, national security, foreign services, planning, revenue and taxation, and regulations.
	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.



	The management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.
	Preparing individuals for employment in careers that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.
	Building linkages in IT occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.
	Planning, managing, and providing legal, public safety and protective services and homeland security, including professional and technical support services.
	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 and process engineering.
	Planning, managing, and performing marketing activities to reach organizational objectives.
	Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.
	Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

### **Career Exploration**

- **Xello** (f/k/a Career Cruising): <http://www.wausauschools.org>
  - Select **Students**
  - **Xello**
  - Login

### **Colleges and Universities**

- **University of Wisconsin System:** [uwhelp.wisconsin.edu](http://uwhelp.wisconsin.edu)
- **Wisconsin Private Colleges:** [www.wisconsinprivatecolleges.org](http://www.wisconsinprivatecolleges.org)
- **Wisconsin Technical College System:** [www.wistechcolleges.org](http://www.wistechcolleges.org)
- **University of Minnesota:** [www.twin-cities.umn.edu](http://www.twin-cities.umn.edu)
- **Minnesota State Colleges and Universities:** [www.minnstate.edu](http://www.minnstate.edu)

### **Military**

- **Today's Military:** [www.todaysmilitary.com](http://www.todaysmilitary.com)

*Careers in agriculture, food and natural resources encompass science, marketing, service, production, supply, processing, preservation of the food supply, plants, animals and natural resources.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

#### **Animals**

- ☐ Working with sick or injured animals
- ☐ Working with companion animals like dogs and cats
- ☐ Working with unique species such as fish for food
- ☐ A medical field
- ☐ Marine biology

#### **Plants**

- ☐ Caring for plants in your home or yard
- ☐ Designing landscapes for homes or businesses
- ☐ Developing new plants or modifying existing ones
- ☐ What plants need to grow successfully

#### **Natural Resources**

- ☐ Native fish and their aquatic habits
- ☐ Forest ecosystems
- ☐ Preservation of endangered species
- ☐ Wolves and whitetails in Wisconsin

#### **Foods**

- ☐ What makes bread rise and soda fizz
- ☐ Being a food scientist
- ☐ Designing new food and flavors
- ☐ How science is used to process your food

## **PATHWAYS IN THIS CLUSTER**

- ◆ Agribusiness Systems
- ◆ Animal Systems
- ◆ Environmental Service Systems
- ◆ Food Products and Processing Systems
- ◆ Natural Resource Systems
- ◆ Plant Systems
- ◆ Power, Structural & Technical Systems

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Algebra II; Algebra II Extended Algebra III/Trigonometry; Pre-Calculus Biology Extended; AP Biology Chemistry Composition Conservation; Advanced Conservation Earth Science Horticulture/Greenhouse Integrated Science Topics Intro to Agriscience Speech Vet Science	<div>             ◆ <b><u>Agribusiness Systems Pathway:</u></b>              Accounting I, II, III, IV              Management &amp; Entrepreneurship              Intro to Marketing              Woods II-Fundamentals of Furniture Manufacturing           </div> <div>             ◆ <b><u>Food Products &amp; Processing Systems Pathway:</u></b>              Foods I, II, III              Food Science           </div> <div>             ◆ <b><u>Plant Systems Pathway:</u></b>              Woods II-Fundamentals of Furniture Manufacturing           </div> <div>             ◆ <b><u>Power, Structural &amp; Technical Systems Pathway:</u></b>              Auto Awareness              Intro to Production Welding              Metals-Materials Processes              Occupational Mechanics I, II              Physics; AP Physics              Intro to Power Mechanics           </div> <p><b>The remaining PATHWAYS share the same suggested coursework identified on the left.</b></p>
<p><i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i></p>	

# CAREER OPTIONS IN AGRICULTURE, FOOD AND NATURAL RESOURCES

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

## ♦ Agribusiness Systems Pathway

Agribusiness Supervisors\*\*  
 Dairy Farmers\*\*  
 Farm Product Purchasing Agents\*\*\*  
 Farm Supervisors\*\*  
 Fish Farmers\*\*  
 Fishermen\*  
 Fruit Tree Farmers\*\*\*  
 Horticultural Specialty Farmers\*\*  
 Hunters and Trappers\*  
 Hydroponic Farmers\*\*\*  
 Log Graders\*  
 Loggers\*  
 Nursery and Greenhouse Managers\*\*  
 Pest Control Technicians\*  
 Ranchers\*\*\*  
 Small Business Owners\*  
 Street Vendors\*

## ♦ Animal Systems Pathway

Agricultural Inspectors\*\*\*  
 Agricultural Workers\*  
 Animal Scientists\*\*\*  
 Animal Trainers\*\*\*  
 Biological Scientists\*\*\*  
 Biological Technicians\*\*  
 Dairy Farmers\*\*  
 Extension Agents\*\*\*  
 Kennel Owners\*  
 Pet Groomers\*

Ranchers\*\*\*  
 Veterinarians\*\*\*  
 Veterinary Researchers\*\*\*  
 Veterinary Technicians\*\*

## ♦ Environmental Service Systems Pathway

Conservation Wardens\*\*\*  
 Environmental Engineers\*\*\*  
 Environmental Scientist\*\*\*  
 Environmental Technicians\*\*  
 Hydrologists\*\*\*  
 Industrial Waste Inspectors\*\*\*  
 Soil Conservationists\*\*\*  
 Solar Energy Technicians\*\*  
 Wildlife Biologists\*\*\*  
 Wind Energy Technicians\*\*

## ♦ Food Products & Processing Systems Pathway

Agricultural Engineers\*\*\*  
 Agricultural Graders and Sorters\*  
 Agricultural Inspectors\*\*\*  
 Butchers and Meat Cutters\*\*  
 Cheesemakers\*  
 Chemical Technicians\*\*  
 Enologists\*\*\*  
 Food Processing Technicians\*\*  
 Food Technologists\*\*  
 Samplers\*  
 Weighers, Measurers, and Checkers\*

## ♦ Natural Resource Systems Pathway

Agronomists\*\*\*  
 Fish Hatchery Managers\*\*\*  
 Geologists\*\*\*

## ♦ Plant Systems Pathway

Agrochemical Applicators\*  
 Berry Farmers\*\*  
 Biological Technicians\*\*  
 Crop and Livestock Managers\*\*\*  
 Extension Agents\*\*\*  
 Foresters\*\*\*  
 Forestry and Logging Supervisors\*\*\*  
 Forestry Technicians\*\*  
 Fruit Tree Farmers\*\*\*  
 Horticultural Specialty Farmers\*\*  
 Horticulturists\*\*\*  
 Hydroponic Farmers\*\*\*  
 Urban Foresters\*\*\*

## ♦ Power, Structural & Technical Systems Pathway

Farm Equipment Technicians\*\*  
 Water and Wastewater Treatment Plant Operators\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
AP Chemistry AP Statistics Microsoft Office Economics; AP Microeconomics Global Language Government Intro to Keyboarding Leadership Training Money Matters Outdoor Education Personal Financial Management Speech	Job Shadow  Youth Apprenticeship • Agriculture, Food and Natural Resources (AFNR)	Archery Club Athletics/Intramurals FCCLA FFA Outdoor Club Peyton's Promise Science Olympiad Skeet and Trap Club SkillsUSA Warrior Power Club

*Careers in architecture and construction encompass designing, planning, managing, building and maintaining the built environment.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Read and follow blueprints and/or instructions
- ☐ Picture in my mind what a finished product looks like

### **Work with my hands:**

- ☐ Perform work that requires precise results
- ☐ Solve technical problems
- ☐ Visit and learn from beautiful, historic, or interesting buildings

### **Personal qualities that describe me:**

- ☐ Curious
- ☐ Good at following directions
- ☐ Pay attention to detail
- ☐ Good at visualizing possibilities
- ☐ Patient and persistent

### **School subjects that I like:**

- ☐ Math
- ☐ Drafting
- ☐ Physical Sciences
- ☐ Construction Trades
- ☐ Electrical Trades/Heat, Air Conditioning and Refrigeration/Technology Education

## **PATHWAYS IN THIS CLUSTER**

- ♦ Construction
- ♦ Design/Pre-Construction
- ♦ Maintenance/Operations

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Advanced Composition Algebra II Algebra III/Trigonometry; Pre-Calculus Building Trades I & II Principals of Engineering PLTW-CEA Engineering Design & Development PLTW-EDD Fab Lab 1/2 Geometry in Construction Physics; AP Physics Principles of Engineering PLTW-POE Psychology	<div>             ♦ <b><u>Construction Pathway:</u></b>              Intro to Production Welding              Woods-Materials Processes              Woods II-Fundamentals of Furniture Manufacturing           </div> <div>             ♦ <b><u>Design/Pre-Construction Pathway:</u></b>              Woods II-Fundamentals of Furniture Manufacturing              Fashion &amp; Interior Design           </div> <div>             ♦ <b><u>Maintenance/Operations Pathway:</u></b>              Advanced Manufacturing              Intro to Production Welding              Metals-Materials Processes              Metals II-Intro to Machine Shop              Woods-Materials Processes           </div>
<p><i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i></p>	

## CAREER OPTIONS IN ARCHITECTURE & CONSTRUCTION

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

### ♦ Construction Pathway

Air Conditioning Technicians\*\*  
 Bricklayers\*\*  
 Building Contractors\*\*\*  
 Cabinetmakers\*\*  
 Carpenters\*\*  
 Cement Masons\*  
 Construction Laborers\*  
 Construction Painters\*  
 Construction Supervisors\*\*  
 Construction Worker Helpers\*  
 Construction Workers \*  
 Drywall Installers\*  
 Earth Drillers\*  
 Electricians\*\*  
 Elevator Mechanics\*\*  
 Excavating and Loading Machine Operators\*\*  
 Explosives Workers\*  
 Extractive Worker Helpers\*  
 Fence Builders\*  
 Floor Covering Installers\*  
 Furnace Installers\*\*  
 Glaziers\*  
 Grading and Leveling Machine Operators\*  
 Groundskeepers and Gardeners\*\*  
 HVAC Technicians\*\*

Insulation Workers\*\*  
 Ornamental Iron Workers\*\*  
 Pipefitters\*\*  
 Plumbers\*\*  
 Roofers\*\*  
 Sheet Metal Duct Installers\*\*  
 Sheet Metal Workers\*\*  
 Shipfitters\*\*  
 Stonemasons\*\*  
 Structural Metal Fitters\*\*  
 Structural Steel Workers\*\*  
 Tile Setters\*\*

### ♦ Design and Pre-Construction Pathway

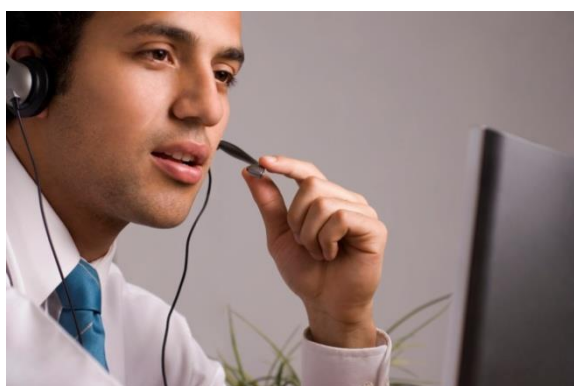
Architects\*\*\*  
 Architectural Drafters\*\*  
 Civil Drafters\*\*  
 Civil Engineering Technicians\*\*  
 Civil Engineers\*\*\*  
 Cost Estimators\*\*\*  
 Electrical Engineering Technicians\*\*  
 Electrical Engineers\*\*\*  
 Interior Designers\*\*  
 Land Surveyors\*\*  
 Landscape Architects\*\*\*  
 Right-of-Way Managers\*\*\*

### ♦ Maintenance and Operations Pathway

Air Conditioning Technicians\*\*  
 Air Hammer Operators\*  
 Asphalt Paving Machine Operators\*  
 Civil Drafters\*\*  
 Construction Workers\*  
 Cost Estimators\*\*\*  
 Drywall Installers\*  
 Earth Drillers\*  
 Electricians\*\*  
 Elevator Mechanics\*\*  
 Extractive Worker Helpers\*  
 Fence Builders\*  
 Floor Covering Installers\*  
 Furnace Installers\*\*  
 Gas Appliance Servicers\*\*  
 Glaziers\*  
 Groundskeepers and Gardeners\*\*  
 Insulation Workers\*\*  
 Operating Engineers\*  
 Paperhangers\*\*  
 Pile Driving Machine Operators\*\*  
 Plasterers\*  
 Power Plant Operators\*\*  
 Sewer Pipe Cleaners\*  
 Surveying Technicians\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
Accounting I, II, III, IV AP Calculus AP Statistics Chemistry Earth Science Economics; AP Microeconomics Global Language Government Integrated Science Topics Keyboarding Microsoft Office Money Matters Personal Financial Management Speech	Job Shadow  School-Based Enterprise <ul style="list-style-type: none"> <li>Adv. Manufacturing - Warrior Manufacturing</li> </ul> Youth Apprenticeship <ul style="list-style-type: none"> <li>Architecture &amp; Construction</li> </ul>	Athletics/Intramurals  Robotics Club  Science Olympiad  SkillsUSA

*Careers in arts, A/V technology, and communications encompass designing, producing, exhibiting, performing, writing, and publishing multimedia content. This can include visual and performing arts, design, journalism and entertainment services.*



## INTERESTS & ABILITIES

### Activities that describe what I like to do:

- ☐ Use my imagination to communicate new information to others
- ☐ Perform in front of others
- ☐ Read and write
- ☐ Play a musical instrument
- ☐ Perform creative, artistic activities
- ☐ Use video and recording technology
- ☐ Design brochures and posters

### Personal qualities that describe me:

- ☐ Creative and imaginative
- ☐ Good communicator/good vocabulary
- ☐ Curious about new technology
- ☐ Relate well to feelings and thoughts of others
- ☐ Determined/tenacious

### School subjects that I like:

- ☐ Art/Graphic design
- ☐ Music
- ☐ Speech and Drama
- ☐ Journalism/Literature
- ☐ Audiovisual Technologies

## PATHWAYS IN THIS CLUSTER

- ♦ Audio and Video Technology and Film
- ♦ Journalism and Broadcasting
- ♦ Performing Arts
- ♦ Printing Technology
- ♦ Telecommunications
- ♦ Visual Arts

SUGGESTED COURSES FOR THIS CLUSTER	ADDITIONAL COURSES FOR SPECIFIC PATHWAYS	
Advanced Composition Broadcasting - Oral Communication Choir Concert Band Film As Literature Graphic Communication I, II, III Multi-Cultural Literature Music Production I & II Publications Lab Speech Today's Tech Trends Wind Ensemble	♦ <b><u>Audio and Video Technology &amp; Film Pathway:</u></b> Computer Web Design	♦ <b><u>Telecommunications Pathway:</u></b> AP Computer Science Physics; AP Physics
	♦ <b><u>Journalism and Broadcasting Pathway:</u></b> Microsoft Office Intro to Marketing	♦ <b><u>Visual Arts Pathway:</u></b> Art Foundations Calculus Ceramics Chemistry CS-Intro to Programming AP Computer Science Computer-Web Design Drawing & Painting Fashion & Interior Design Novels Physics; AP Physics Sculpture/Advanced 3D Studio Art
	♦ <b><u>Performing Arts Pathway:</u></b> Aerobics/Social Dance Band, Choir, Orchestra	
	♦ <b><u>Printing Technology Pathway:</u></b> Microsoft Office	
<i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i>		



# CAREER OPTIONS IN ARTS, A/V TECHNOLOGY & COMMUNICATIONS

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree / Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

## ♦ Audio and Visual Technology & Film Pathway

Animators\*\*  
 Art Directors\*\*\*  
 Cinematographers\*\*\*  
 Medical and Scientific Illustrators\*\*\*  
 Recording Technicians\*\*  
 Sound Engineering Technicians\*\*  
 Television Camera Operators\*\*

## ♦ Journalism & Broadcasting Pathway

Announcers\*\*\*  
 Caption Writers\*\*  
 Copy Editors\*\*\*  
 Disc Jockeys\*\*  
 Journalists\*\*\*  
 Literary Writers\*\*\*  
 Proofreaders\*\*  
 Reporters\*\*\*  
 Sign Language Interpreters\*\*  
 Technical Writers\*\*\*

## ♦ Performing Arts Pathway

Actors and Actresses\*\*\*  
 Choreographers\*\*\*  
 Composers\*\*\*  
 Dance Teachers\*\*\*  
 Dance Therapists\*\*\*  
 Dancers\*\*\*

Film Editors\*\*\*  
 Grips\*  
 Music Teachers\*\*\*  
 Music Therapists\*\*\*  
 Musicians\*\*\*  
 Set Designers\*\*\*  
 Singers\*\*\*

## ♦ Printing Technology Pathway

Bookbinders\*\*  
 Desktop Publishers\*\*  
 Lithographic Photographers\*\*  
 Lithographic Strippers\*\*  
 Photoengravers\*\*  
 Photofinishers\*\*  
 Photographic Technicians\*\*  
 Precision Typesetters\*\*  
 Prepress Technicians\*\*  
 Printing Machine Operators and Tenders\*\*  
 Printing Press Operators\*\*  
 Printing Specialists\*\*  
 Sign Designers\*

## ♦ Telecommunications Pathway

Broadcast Technicians\*\*  
 Central Office Technicians\*\*  
 Communications Line Maintainers\*\*

Electrical Line Maintainers\*\*  
 Telephone Installation Technicians\*\*

## ♦ Visual Arts Pathway

Advertising Layout Designers\*\*  
 Art Teachers\*\*\*  
 Art Therapists\*\*\*  
 Artists\*\*\*  
 Commercial Artists\*\*  
 Craft Artists\*\*  
 Curator\*\*\*  
 Display Persons\*\*  
 Fashion Designers\*\*\*  
 Floral Designers\*  
 Food Stylists\*  
 Graphic Designers\*\*  
 Illustrators\*\*  
 Industrial Designers\*\*\*  
 Jewelers\*\*  
 Photographers\*\*  
 Potters\*\*\*  
 Sketch Artists\*\*  
 Tattoo Artists\*\*  
 UX Designers\*\*  
 Video Game Designers\*\*  
 Web Designers\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
AP Statistics Art and Music Electives Aspiring Educators Calculus Child Development CS-Intro to Programming Creative Writing Early Childhood Services Economics Foods I, II, III Food Science Global Language Keyboarding Leadership Training Money Matters Personal Financial Management Psychology Sociology Young Adult Medicine	Job Shadow  Youth Apprenticeship • Graphic Design/Printing	Athletics/Intramurals Dance United DECA Drama Club FCCLA FFA Forensics Jazz Band Master Singers Mock Trial Political Discourse Club Prom Committee Publications Lab Staff Robotics Club School Plays/Musicals SkillsUSA Student Council Tech Crew

*Careers in business, management and administration encompass planning, organizing, directing and evaluating business functions that are essential to efficient and productive business operations.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Perform routine, organized activities but can be flexible
- ☐ Work with numbers and detailed information
- ☐ Be the leader in a group
- ☐ Make business contacts with people
- ☐ Work with computer programs
- ☐ Create reports and communicate ideas
- ☐ Plan my work and follow instruction without close supervision

### **Personal qualities that describe me:**

- ☐ Organized
- ☐ Practical and logical
- ☐ Patient
- ☐ Tactful
- ☐ Responsible

### **School subjects that I like:**

- ☐ Computer Applications/Business and Information Technology
- ☐ Accounting
- ☐ Math
- ☐ English
- ☐ Economics

## **PATHWAYS IN THIS CLUSTER**

- ♦ Administrative Support
- ♦ Business Information Management
- ♦ General Management
- ♦ Human Resources Management
- ♦ Operations Management

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Accounting I, II, III, IV Advanced Composition Algebra III/Trigonometry; Pre-Calculus AP Statistics Business Law Business Opportunities CS-Intro to Programming Economics; AP Micro Econ, AP Macro Econ Exploring Business Intro Marketing, Sports & Entertainment Mktg, Hospitality & Tourism Mktg & Advanced Marketing Management & Entrepreneurship Metals II-Intro to Machine Shop Microsoft Office Personal Financial Management Intro to Psychology; AP Psychology Speech Today's Tech Trends	<div>                     ♦ <b><u>Administrative Support Pathway:</u></b>                          Health Occupations I, II                          Keyboarding                          Microsoft Office                 </div> <div>                     ♦ <b><u>Business Information Management Pathway:</u></b>                          Advanced Manufacturing                          AP Computer Science A                 </div> <div>                     ♦ <b><u>General Management Pathway:</u></b>                          Advanced Manufacturing                          Health Occupations I, II                 </div> <div>                     ♦ <b><u>Operations Management Pathway:</u></b>                          Advanced Manufacturing                 </div> <p><b>Courses for the remaining PATHWAYS are the same as those listed on the left.</b></p>
<p><i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i></p>	



# CAREER OPTIONS IN BUSINESS MANAGEMENT & ADMINISTRATION

\* = Entry Level  
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 \*\*\* = Bachelor or Advanced Degree

## ♦ Administrative Support Pathway

Administrative Assistants\*\*  
 Administrative Services Managers\*\*\*  
 Administrative Support Supervisors\*\*  
 City Planning Aides\*\*\*  
 Computer Operators\*\*  
 Operators\*\*  
 Correspondence Clerks\*  
 Court Reporters\*\*  
 Data Entry Keyers\*  
 Duplicating Machine Operators\*  
 File Clerks\*  
 General Office Clerks\*  
 Hospital Admitting Clerks\*  
 Hotel Clerks\*  
 Industrial Clerks\*  
 Mail Clerks\*  
 Messengers\*  
 Meter Readers\*  
 Payroll and Timekeeping Clerks\*  
 Receptionists\*  
 Social Welfare Clerks\*\*\*  
 Statement Clerks\*  
 Stenographers\*\*  
 Telephone Operators\*  
 Tellers\*  
 Word Processor Operators\*\*  
 Word Processors and Typists\*\*

## ♦ Business Information Management Pathway

Accountants\*\*\*  
 Auditors\*\*  
 Billing, Cost, and Rate Clerks\*

Bookkeeping Clerks\*  
 Business Industry Consultants\*\*\*  
 Controllers\*\*\*  
 Financial Analysts\*\*\*  
 Management Consultants\*\*\*  
 Research Analysts\*\*\*  
 Tax Preparers\*\*

## ♦ General Management Pathway

Advertising Account Executives\*\*\*  
 Advertising Managers\*\*\*  
 Art Directors\*\*\*  
 Association Executives\*\*\*  
 Brew Masters\*\*\*  
 Business and Industry Managers\*\*\*  
 Casino Managers\*\*  
 Caterers\*\*  
 Chief Executive Officers\*\*\*  
 Club Managers\*\*  
 Communications and Operations Managers\*\*\*  
 Credit Card Operations Managers\*\*\*  
 Crop and Livestock Managers\*\*  
 Customer Service Representatives\*  
 Department Store Managers\*\*\*  
 Development Directors\*\*\*  
 Educational Administrators\*\*\*  
 Employee Welfare Managers\*\*\*  
 Energy Managers\*\*\*  
 Event Planners\*\*  
 Financial Institution Managers\*\*\*

Funeral Directors\*\*  
 Health Care Administrators\*\*\*  
 Health Services Coordinators\*\*\*  
 Household Managers\*  
 Kennel Owners\*  
 Management Trainees\*\*  
 Nursing Administrators\*\*\*  
 Small Business Owners\*  
 Theater Managers\*\*\*  
 Travel Agency Managers\*\*\*

## ♦ Human Resources Management Pathway

Arbitrators\*\*\*  
 Compensation and Benefits Managers\*\*\*  
 Employee Welfare Managers\*\*\*  
 Employment Interviewers\*\*\*  
 Human Resources Clerks\*  
 Human Resources Managers\*\*

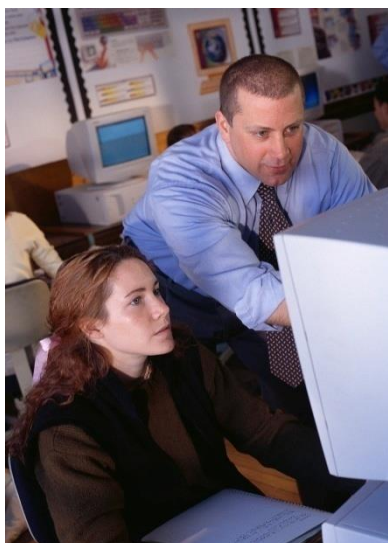
## ♦ Operations Management Pathway

Budget Analysts\*\*\*  
 Compensation and Benefits Managers\*\*\*  
 Compliance Manager\*\*  
 Industrial Production Managers\*\*\*  
 Loss Prevention Manager\*\*  
 Supply Chain Manager\*\*  
 Training Program Managers\*\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
AP Calculus Chemistry; AP Chemistry Composition Courses CS-Web Design Economics; AP Microeconomics, AP Macroeconomics Family Relations Foods I, II, III Global Language Government; AP Government Graphic Communications I, II, III Hospitality & Tourism Marketing Money Matters Personal Financial Management	Job Shadow  Business Opportunity Internship  Advanced Marketing Internship  School-Based Enterprise • School Store  Youth Apprenticeship • Finance • Hospitality & Tourism • Marketing	Athletics/Intramurals DECA FCCLA FFA Forensics International Club Key Club Mock Trial

*Careers in education and training encompass the planning, managing, and providing of education and training services.*

*This also includes related learning support services.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Communicate with different types of people
- ☐ Help others with their homework or learn new things
- ☐ Go to school
- ☐ Direct and plan activities for others
- ☐ Handle several responsibilities at once
- ☐ Acquire new information
- ☐ Help people overcome their challenges

### **Personal qualities that describe me:**

- ☐ Friendly
- ☐ Decision maker
- ☐ Helpful
- ☐ Innovative/Inquisitive
- ☐ Good listener

### **School subjects that I like:**

- ☐ Language Arts
- ☐ Social Studies
- ☐ Math
- ☐ Science
- ☐ Psychology

## **PATHWAYS IN THIS CLUSTER**

- ♦ Administration & Administrative Support
- ♦ Professional Support Services
- ♦ Teaching/Training

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Aspiring Educators Composition; Advanced Composition Early Childhood Services Leadership Training Microsoft Office Intro to Psychology; AP Psychology Speech Today's Tech Trends	<div>             ♦ <b><u>Administration &amp; Administrative Support Pathway:</u></b>              Accounting I, II, III, IV              AP Statistics              Economics; AP Economics           </div> <div>             ♦ <b><u>Teaching/Training Pathway:</u></b>              Child Development              Family Relations           </div> <div>             ♦ <b><u>Professional Support Services Pathway:</u></b>              Child Development              Health Occupations I, II              Medical Terminology              Young Adult Medicine           </div>
<p><i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i></p>	

## CAREER OPTIONS IN EDUCATION & TRAINING

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

### ♦ **Administration and Administrative Support Pathway**

Apprenticeship Consultants\*\*\*  
 Educational Administrators\*\*\*  
 Instructional Coordinators\*\*\*  
 Librarians\*\*\*  
 Library Technicians\*\*

### ♦ **Professional Support Services Pathway**

Psychiatrists\*\*\*  
 Psychologists\*\*\*  
 School Counselors\*\*\*  
 Speech-Language Pathologists\*\*\*

### ♦ **Teaching and Training Pathway**

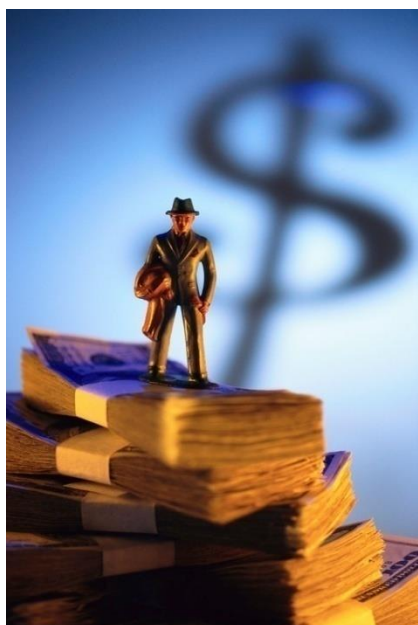
Adult Literacy Teachers\*\*\*  
 Art Teachers\*\*\*  
 Child Care Assistants\*\*  
 Child Life Therapists\*\*\*  
 Coaches\*\*  
 Dance Teachers\*\*\*

Elementary School Teachers\*\*\*  
 Extension Agents\*\*\*  
 Fitness Instructors\*  
 Global Language Interpreters\*\*  
 Kindergarten Teachers\*\*\*  
 Music Teachers\*\*\*  
 Physical Education Teachers\*\*\*  
 Postsecondary Teachers\*\*\*  
 Secondary School Teachers\*\*\*  
 Self-Enrichment Teachers\*  
 Sign Language Interpreters\*\*  
 Special Education Teachers\*\*\*  
 Teacher Assistants\*\*  
 Teachers of the Blind and Visually Impaired\*\*\*  
 Training Program Managers\*\*\*  
 Tutors\*  
 University Professors\*\*\*  
 Vocational Education Teachers\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
Adventure Based Activities Aerobic/Social Dance AP Statistics Art Courses Band; Choir; Orchestra Economics; AP Microeconomics; AP Macroeconomics Global Language Government; AP Government Intro to Marketing, Sports & Entertainment Mktg; Adv. Marketing Keyboarding Literature: Multi-Cultural; British; World Medical Terminology Money Matters Outdoor Education Personal Financial Management Sociology	Job Shadow  Business Opportunity Internship  <b>Industry Certification:</b> • Assistant Childcare Teacher  • Childcare Teacher	Athletics/Intramurals DECA FCCLA FFA French/German/Spanish Clubs International Club Key Club Mock Trial National Honor Society Political Discourse Club School-Based Tutoring/Mentoring School Plays/Musicals SkillsUSA Student Council



*Careers in financial and investment planning, banking, insurance, and business financial management.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Work with numbers
- ☐ Work to meet a deadline
- ☐ Make predictions based on existing facts
- ☐ Have a framework of rules by which to operate
- ☐ Analyze financial information and interpret it to others
- ☐ Handle money with accuracy and reliability
- ☐ Take pride in the way I dress and look

### **Personal qualities that describe me:**

- ☐ Trustworthy
- ☐ Orderly
- ☐ Self-confident
- ☐ Logical
- ☐ Methodical or efficient

### **School subjects that I like:**

- ☐ Accounting
- ☐ Math
- ☐ Economics
- ☐ Banking/Financial Services
- ☐ Insurance Services

## **PATHWAYS IN THIS CLUSTER**

- ◆ Accounting
- ◆ Banking Services
- ◆ Business Finance
- ◆ Insurance
- ◆ Securities and Investments

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Accounting I, II, III, IV AP Statistics Business Law Economics; AP Microecon; AP Macroecon Government; AP Government Intro to Marketing, Sports & Entertainment Mktg; Advanced Marketing Microsoft Office Money Matters Personal Financial Management Speech	<p><b>All the PATHWAYS listed above share the same suggested coursework identified on the left.</b></p>
<p><i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i></p>	

## CAREER OPTIONS IN FINANCE

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

### ♦ Accounting Pathway

Accountants\*\*\*  
 Actuaries\*\*\*  
 Auditors\*\*\*  
 Budget Analysts\*\*\*

### ♦ Banking Services Pathway

Bill and Account Collectors\*  
 Cashiers\*  
 Credit Analysts\*\*\*  
 Credit Card Operations Managers\*\*\*  
 Financial Counselors\*\*\*  
 Financial Institution Managers\*\*\*  
 Loan Officers\*\*  
 Personal Property Appraisers\*\*  
 Real Estate Appraisers\*\*

### ♦ Business Finance Pathway

Business and Industry Consultants\*\*\*  
 Controllers\*\*\*  
 Economists\*\*\*  
 Financial Analysts\*\*\*

### ♦ Insurance Pathway

Claim Adjusters\*\*\*  
 Insurance Agents\*\*\*  
 Insurance Underwriters\*\*\*  
 Investigators and Adjusters\*\*

### ♦ Securities and Investments Pathway

Brokerage Clerks\*\*\*  
 Financial Counselors\*\*\*  
 Investment Advisors\*\*\*  
 Stockbrokers\*\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
AP Calculus AP Computer Science A Composition Courses Exploring Business Foods III Global Language Keyboarding Management & Entrepreneurship Intro to Psychology; AP Psychology	Job Shadow Business Opportunities Internship Advanced Marketing Internship School-Based Enterprise • School Store Youth Apprenticeship • Finance	Athletics/Intramurals DECA FFA Math Club Mock Trial

*Careers in government and public administration encompasses governmental governance, national security, foreign service, revenue and taxation regulation, and the management of programs and administration at the local, state and federal levels.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Be involved in politics
- ☐ Negotiate, defend, and debate ideas and topics
- ☐ Plan activities and work cooperatively with others
- ☐ Work with details
- ☐ Perform a variety of duties that may change often
- ☐ Analyze information and interpret it to others
- ☐ Travel and see things that are new to me

### **Personal qualities that describe me:**

- ☐ Good communicator
- ☐ Competitive
- ☐ Service minded
- ☐ Well organized
- ☐ Problem solver

### **School subjects that I like:**

- ☐ Government
- ☐ Language Arts
- ☐ History
- ☐ Math
- ☐ Foreign Language

## **PATHWAYS IN THIS CLUSTER**

- ◆ Foreign Service
- ◆ Governance
- ◆ National Security
- ◆ Planning
- ◆ Public Management and Administration
- ◆ Regulation
- ◆ Revenue and Taxation

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Advanced Composition AP Statistics Business Law Economics; AP Microecon; AP Macroecon Global Language Government; AP Government Leadership Training Microsoft Office Intro to Psychology; AP Psychology Speech Today's Tech Trends	<div>                         ◆ <b><u>Foreign Service Pathway:</u></b>                          Sociology                     </div> <div>                         ◆ <b><u>Governance Pathway:</u></b>                          Intro to Marketing                          Sports &amp; Entertain Mktg                          Hospitality &amp; Tourism Mktg                          Advanced Marketing                     </div> <div>                         ◆ <b><u>National Security Pathway:</u></b>                          Adventure Based Act                     </div> <div>                         ◆ <b><u>Planning Pathway:</u></b>                          Accounting I, II, III, IV                     </div> <div>                         ◆ <b><u>Public Management Pathway:</u></b>                          Accounting I, II, III, IV                          Intro to Marketing                          Sports &amp; Entertain Mktg                          Hospitality &amp; Tourism Mktg                          Advanced Marketing                     </div> <div>                         ◆ <b><u>Regulation Pathway:</u></b>                          Auto Awareness                          Health Occupations I, II                          Intro to Power Mechanics                     </div> <div>                         ◆ <b><u>Revenue and Taxation Pathway:</u></b>                          Accounting I, II, III, IV                     </div>
<i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i>	

## CAREER OPTIONS IN GOVERNMENT & PUBLIC ADMINISTRATION

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

### ♦ Foreign Service Pathway

Peace Corps Volunteers\*\*\*  
 Translators and Interpreters\*\*

### ♦ Governance Pathway

Apprenticeship Consultants\*\*\*  
 Coroners\*\*\*  
 Emergency Management  
     Specialists\*\*\*  
 Government Agency  
     Administrators\*\*\*  
 Job Analysts\*\*\*  
 Legislators\*\*\*  
 Mail Carriers\*  
 Mail Handling Machine Operators\*  
 Postal Clerks\*  
 Postmasters (must be promoted)\*  
 Social Services Administrators\*\*\*

### ♦ National Security Pathway

Armored Assault Vehicle Crew  
     Members\*  
 Armored Assault Vehicle Officers\*\*\*  
 Artillery and Missile Crew Members\*  
 Artillery and Missile Officers\*\*\*  
 Infantry Forces\*  
 Infantry Officers\*\*\*  
 Special Forces\*  
 Special Operations Officers\*\*\*

### ♦ Planning Pathway

Urban Planners\*\*\*

### ♦ Public Management and Administration Pathway

Association Executives\*\*\*  
 City Managers\*\*\*  
 City Planning Aides\*\*\*  
 Political Scientists\*\*\*  
 Public Utilities Managers\*\*\*

### ♦ Regulation Pathway

Building Inspectors\*\*  
 Driver's License Examiners\*  
 Equal Opportunity Specialists\*\*\*  
 Industrial Waste Inspectors\*\*\*  
 License Clerks\*  
 Occupational Health and Safety  
     Specialists\*\*\*  
 Occupational Health and Safety  
     Technicians\*\*\*  
 Public Health Sanitarians\*\*\*  
 Space Systems Technicians\*\*  
 Transportation Inspectors\*\*

### ♦ Revenue and Taxation Pathway

Accountants\*\*\*  
 Auditors\*\*\*  
 Financial Examiners\*\*  
 Lawyers\*\*\*  
 Title Examiners\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
Family Relations  Keyboarding  Medical Terminology  Money Matters  Personal Financial Management  Sociology	Job Shadow  Youth Apprenticeship • Finance	Athletics/Intramurals  DECA  FFA  Forensics  French/German/Spanish Clubs  Key Club  Mock Trial  Political Discourse Club  Student Council

*Careers in health science encompass planning, managing, and providing health services. This includes therapeutic services, diagnostics, health informatics, support services, and biotechnology research and development.*



## INTERESTS & ABILITIES

### Activities that describe what I like to do:

- ☐ Work under pressure
- ☐ Help sick people
- ☐ Make decisions based on logic and information
- ☐ Participate in health and science classes
- ☐ Respond quickly and calmly in emergencies
- ☐ Work as a member of a team
- ☐ Follow guidelines precisely and meet strict standards of accuracy

### Personal qualities that describe me:

- ☐ Compassionate and caring
- ☐ Good at following directions
- ☐ Conscientious and careful
- ☐ Patient
- ☐ Good listener

### School subjects that I like:

- ☐ Biological Sciences
- ☐ Chemistry
- ☐ Math
- ☐ Occupational Health classes
- ☐ Language Arts

## PATHWAYS IN THIS CLUSTER

- ♦ Biotechnology Research and Development
- ♦ Diagnostic Services
- ♦ Health Informatics
- ♦ Support Services
- ♦ Therapeutic Services

SUGGESTED COURSES FOR THIS CLUSTER	ADDITIONAL COURSES FOR SPECIFIC PATHWAYS
AP Statistics Biology Extended; AP Biology Chemistry; AP Chemistry Child Development Composition; Advanced Composition Family Relations Health Occupations I, II Integrated Science Topics Medical Terminology Microsoft Office Intro to Psychology; AP Psychology Sociology Speech Young Adult Medicine	<ul style="list-style-type: none"> <li>♦ <b><u>Biotechnology Research and Development Pathway:</u></b>                Algebra II                Algebra III/Trigonometry                Physics; AP Physics                Pre-Calculus; AP Calculus</li> <li>♦ <b><u>Diagnostic Services Pathway:</u></b>                Today's Tech Trends</li> <li>♦ <b><u>Health Information Pathway:</u></b>                Accounting I, II, III, IV                Today's Tech Trends</li> <li>♦ <b><u>Support Services Pathway:</u></b>                Accounting I, II, III, IV                Today's Tech Trends</li> <li>♦ <b><u>Therapeutic Services Pathway:</u></b>                Relaxation Techniques                Vet Science</li> </ul>
<p><i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i></p>	



## CAREER OPTIONS IN HEALTH SCIENCE

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

### ♦ Biotechnology Research and Development Pathway

Epidemiologists\*\*\*  
 Geneticists\*\*\*  
 Gerontologists\*\*\*  
 Mathematical Technicians\*\*  
 Mathematicians\*\*\*  
 Medical Researchers\*\*\*  
 Pathologists\*\*\*  
 Sociologists\*\*\*  
 Statisticians\*\*\*

### ♦ Diagnostic Services Pathway

Audiologists\*\*\*  
 Cardiopulmonary Technologists\*\*  
 Cardiovascular Technologists\*\*  
 Cytotechnologists\*\*\*  
 Electrocardiograph Technicians\*\*  
 Electroencephalograph Technologists\*\*  
 Geneticists\*\*\*  
 Histotechnologists\*\*  
 Medical Laboratory Technicians\*\*  
 Medical Technologists\*\*\*  
 Nuclear Medicine Technologists\*\*  
 Phlebotomy Technicians\*\*  
 Radiologic Technologists\*\*  
 Ultrasound Technologists\*\*

### ♦ Health Informatics Pathway

Cyberlibrarians\*\*\*  
 Health Care Administrators\*\*\*  
 Health Unit Clerks\*\*  
 Hospital Admitting Clerks\*  
 Medical Records Administrators\*\*\*  
 Medical Records Technicians\*\*  
 Medical Secretaries\*\*  
 Medical Transcriptionists\*\*

### ♦ Support Services Pathway

Biomedical Engineers\*\*\*  
 Central Supply Technicians\*  
 Food Service Supervisors\*\*  
 Food Service Workers\*  
 Health Services Coordinators\*\*\*  
 Laboratory Equipment Preparers\*  
 Nuclear Technicians\*\*

### ♦ Therapeutic Services Pathway

Anesthesiologists\*\*\*  
 Animal Chiropractors\*\*\*  
 Art Therapists\*\*\*  
 Athletic Trainers\*\*\*  
 Certified Nursing Aides/Assistants\*\*  
 Chiropractors\*\*\*  
 Dance Therapists\*\*\*  
 Dental Assistants\*\*  
 Dental Hygienists\*\*  
 Dental Specialists\*\*\*  
 Dentists\*\*\*  
 Dialysis Technicians\*\*  
 Dietetic Technicians\*\*  
 Dietitians\*\*\*  
 Emergency Medical Technicians\*\*  
 Exercise Physiologist\*\*\*  
 Home Health Aides\*  
 Licensed Practical Nurses\*\*  
 Massage Therapists\*\*  
 Medical Assistants\*\*  
 Medical Diagnostic and Treatment Specialists\*\*\*  
 Music Therapists\*\*\*  
 Nurse Practitioners\*\*\*  
 Nursing Administrators\*\*\*

Occupational Therapists\*\*\*  
 Occupational Therapy Aides\*\*  
 Occupational Therapy Assistants\*\*  
 Ophthalmologists\*\*\*  
 Opticians\*\*\*  
 Optometric Assistants\*\*  
 Optometrists\*\*\*  
 Oral Surgeons\*\*\*  
 Orthopedic Technicians\*\*  
 Osteopathic Physicians\*\*\*  
 Perfusionists\*\*\*  
 Pharmacists\*\*\*  
 Pharmacy Technicians\*\*  
 Physical Therapist Assistants\*\*  
 Physical Therapists\*\*\*  
 Physical Therapy Aides\*  
 Physician Assistants\*\*\*  
 Podiatric Assistants\*\*  
 Podiatrists\*\*\*  
 Primary Care Physicians\*\*\*  
 Prosthetists and Orthotists\*\*\*  
 Psychiatric Aides\*\*  
 Psychiatrists\*\*\*  
 Radiation Therapists\*\*  
 Registered Nurses\*\*  
 Respiratory Therapists\*\*  
 Speech-Language Pathologists\*\*\*  
 Sports Medicine Physician\*\*\*  
 Surgeons\*\*\*  
 Surgical Technicians\*\*  
 Translators and Interpreters\*\*  
 Urologist\*\*\*  
 Vocational Rehabilitation Counselors\*\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
Adventure Based Activities AP Statistics Band; Choir; Orchestra AP Computer Science A Economics; AP Microecon; AP Macroecon Family Relations Foods I, II, III Food Science Keyboarding Leadership Training Global Language Money Matters Multi-Cultural Literature Personal Financial Management	Job Shadow  Youth Apprenticeship • Health Science	Athletics/Intramurals  FCCLA FFA  French/German/Spanish Clubs  Peyton's Promise  School-Based Tutoring/Mentoring  Science Olympiad  Warrior Power

*Careers in hospitality and tourism encompass the management, marketing and operations of restaurants and other food service, lodging, attractions, and recreational events. It also includes travel-related services.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Investigate new places and activities
- ☐ Work with all ages and types of people
- ☐ Organize activities in which other people enjoy themselves
- ☐ Have a flexible schedule
- ☐ Help people make up their minds
- ☐ Communicate easily, tactfully and courteously
- ☐ Learn about other cultures

### **Personal qualities that describe me:**

- ☐ Tactful
- ☐ Self-motivated
- ☐ Works well with others
- ☐ Outgoing
- ☐ Slow to anger

### **School subjects that I like:**

- ☐ Language Arts/Speech
- ☐ Foreign Language
- ☐ Social Sciences
- ☐ Marketing
- ☐ Food Services

## **PATHWAYS IN THIS CLUSTER**

- ♦ Lodging
- ♦ Recreation, Amusements & Attractions
- ♦ Restaurant and Food/Beverage Services
- ♦ Travel & Tourism

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Accounting I, II, III, IV CS-Web Design Economics; AP Micro Econ, AP Macro Econ Intro to Marketing, Sports & Entertainment Mktg, Hospitality & Tourism Mktg; Advanced Marketing & Internship Microsoft Office Money Matters Personal Financial Management Intro to Psychology; AP Psychology Sociology Speech Today's Tech Trends	<div> <b>♦ <u>Lodging Pathway:</u></b>                          Same suggested courses from this cluster                     </div> <div> <b>♦ <u>Recreation, Amusements &amp; Attractions Pathway:</u></b>                          Adventure Based Activities                          Biology                          Child Development                          Leadership Training                          Outdoor Education                          Vet Science                     </div> <div> <b>♦ <u>Restaurant and Food/Beverage Services Pathway:</u></b>                          Art Foundations                          Chemistry                          Foods I, II, III                          Food Science                     </div> <div> <b>♦ <u>Travel &amp; Tourism Pathway:</u></b>                          Foods I, II, III                          Food Science                          Global Language                     </div>
<i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i>	

## CAREER OPTIONS IN HOSPITALITY & TOURISM

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

### ♦ Lodging Pathway

Baggage Porters and Bellhops\*  
 Cleaning and Building Services  
 Supervisors\*  
 Concierges\*  
 Day Workers\*  
 Hotel and Motel Cleaners\*  
 Hotel & Motel Managers\*\*  
 Hotel Clerks\*  
 Household Managers\*  
 Custodians\*  
 Launderers and Ironers\*

### ♦ Recreation, Amusements and Attractions Pathway

Animal Trainers\*\*\*  
 Archivists\*\*\*  
 Casino Managers\*\*  
 Club Managers\*\*  
 Coaches\*\*\*  
 Conservation Technicians\*\*\*  
 Curators\*\*\*

Custodian\*  
 Furniture Refinishers\*  
 Gambling Dealers\*  
 Gaming Change Persons and Booth  
 Cashiers\*  
 Gaming Surveillance Officers\*  
 Guides\*  
 Historians\*\*\*  
 Park Rangers\*\*\*  
 Professional Athletes\*  
 Recreation Directors\*\*  
 Recreational Activity Leaders\*\*  
 Recreational Facility Attendants\*  
 Slot Machine Attendants\*  
 Taxidermists\*  
 Theater Managers\*\*\*  
 Umpires\*  
 Ushers\*  
 Wardrobe and Dressing Room  
 Attendants\*  
 Zookeepers\*\*\*

### ♦ Restaurants and Food/Beverage Services Pathway

Baking Technologists\*\*  
 Barista\*  
 Bartenders\*  
 Brew Masters\*\*\*  
 Cake Decorators\*  
 Caterers\*\*  
 Food Attendants\*  
 Food Service Supervisors\*\*  
 Food Service Workers\*  
 Restaurant Cooks and Chefs\*  
 Restaurant Hosts and Hostesses\*  
 Restaurant Managers\*\*  
 Short Order Cooks\*  
 Waiter and Waitress Assistants\*  
 Waiters and Waitresses\*

### ♦ Travel and Tourism Pathway

Conference Planners\*\*\*  
 Translators and Interpreters\*\*  
 Travel Agent\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
AP Statistics	Job Shadow	Athletics/Intramurals
Conservation; Advanced Conservation	Business Opportunities Internship	DECA
Earth Science	Advanced Marketing Internship	FCCLA
Keyboarding	School-Based Enterprise • School Store	FFA
Management & Entrepreneurship	Youth Apprenticeship • Hospitality & Tourism • Marketing	Forensics
		French/German/Spanish Clubs
		French National Honor Society
		School-Based Tutoring/Mentoring
		School Plays/Musicals

*Careers in human services encompass preparing individuals to work with families and support human needs.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Care about people, their needs, and their problems
- ☐ Participate in community services and/or volunteering
- ☐ Listen to other people's viewpoints
- ☐ Help people be at their best
- ☐ Work with people from preschool age to old age
- ☐ Think of new ways to do things
- ☐ Make friends with different kinds of people

### **Personal qualities that describe me:**

- ☐ Good communicator/good listener
- ☐ Caring
- ☐ Non-materialistic
- ☐ Uses intuition and logic
- ☐ Non-judgmental

### **School subjects that I like:**

- ☐ Language Arts
- ☐ Psychology/Sociology
- ☐ Family and Consumer Sciences
- ☐ Finance
- ☐ Foreign Language

## **PATHWAYS IN THIS CLUSTER**

- ◆ Consumer Services
- ◆ Counseling & Mental Health Services
- ◆ Early Childhood Development & Services
- ◆ Family & Community Services
- ◆ Personal Care Services

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Advanced Composition Economics; AP Micro Econ; AP Macro Econ Family Relations Government; AP Government Health Occupations I, II Microsoft Office Money Matters Personal Financial Management Intro to Psychology; AP Psychology Sociology Speech Young Adult Medicine	<div>             ◆ <b><u>Consumer Services Pathway:</u></b>              Accounting I, II, III, IV           </div> <div>             ◆ <b><u>Counseling &amp; Mental Health Science Pathway:</u></b>              Aspiring Educators              Child Development              Early Childhood Services           </div> <div>             ◆ <b><u>Early Childhood Development &amp; Services Pathway:</u></b>              Art Electives              Aspiring Educators              Child Development              Early Childhood Services           </div> <div>             ◆ <b><u>Family &amp; Community Services Pathway:</u></b>              Biology Extended              Aspiring Educators              Child Development              Early Childhood Services           </div> <div>             ◆ <b><u>Personal Care Services Pathway:</u></b>              Art Electives              Biology Extended              Chemistry              Child Development           </div>
<i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i>	

## CAREER OPTIONS IN HUMAN SERVICES

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

### ◆ Consumer Services Pathway

Customer Service Representatives\*  
 Financial Counselors\*\*\*  
 Investment Advisors\*\*\*

### ◆ Counseling and Mental Health Services Pathway

Alcohol/Drug Abuse Counselors\*\*\*  
 Career Counselors\*\*\*  
 Gerontologists\*\*\*  
 Personal Coaches\*\*\*  
 Personal Counselors\*\*\*  
 Placement Counselors\*\*\*  
 Psychiatrists\*\*\*  
 Psychologists\*\*\*  
 School Counselors\*\*\*  
 Sociologists\*\*\*  
 Vocational Rehabilitation Counselors\*\*\*

### ◆ Early Childhood Development and Services Pathway

Child Care Assistants\*\*  
 Nannies\*  
 Preschool Teachers\*\*

### ◆ Family and Community Services Pathway

Clergies\*\*\*  
 Community Organization Workers\*\*  
 Crossing Guards\*  
 Dietitians\*\*\*  
 Gerontologists\*\*\*  
 Home Support Workers\*  
 Household Cleaners\*  
 Household Cooks\*  
 Institutional Cooks\*  
 Religious Workers\*\*\*  
 Social Workers\*\*\*

### ◆ Personal Care Services Pathway

Barbers\*\*  
 Cosmetologists\*\*  
 Custom Sewers\*  
 Embalmers\*\*  
 Fitness Instructors\*  
 Funeral Directors\*\*  
 Nail Technicians\*\*  
 Personal Services Supervisors\*\*  
 Shoe Repairers\*\*  
 Skin Care Specialists\*\*  
 Tattoo Artists\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
Adventure Based Activities AP Statistics Foods I, II, III Food Science Global Language Intro to Marketing Leadership Training Literature: Multi-Cultural; British; World Medical Terminology Novels	Job Shadow Business Opportunities Internship Youth Apprenticeship • Health Science	Athletics/Intramurals DECA FCCLA FFA French/German/Spanish Clubs French National Honor Society International Club Key Club Mock Trial National Honor Society Raise Your Voice School-Based Tutoring/Mentoring Student Council

*Careers in information technology encompass designing, developing and supporting the technological hardware, software, multimedia and integration of information systems.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Work with computers
- ☐ Reason clearly and logically to solve complex problems
- ☐ Use machines, techniques and processes
- ☐ Read technical materials and diagrams and solve technical problems
- ☐ Adapt to change
- ☐ Play video games and figure out how they work
- ☐ Concentrate for long periods without being distracted

### **Personal qualities that describe me:**

- ☐ Logic/analytical thinker
- ☐ See details in the big picture
- ☐ Persistent
- ☐ Good concentration skills
- ☐ Precise and accurate

### **School subjects that I like:**

- ☐ Math
- ☐ Science
- ☐ Computer Tech/Applications
- ☐ Communications
- ☐ Graphic Design

## **PATHWAYS IN THIS CLUSTER**

- ♦ Information Support & Services
- ♦ Network Systems
- ♦ Programming and Software Development
- ♦ Web and Digital Communications

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Accounting I, II, III, IV Broadcasting - Oral Communication CS-Intro to Programming CS-AP Computer Science A Graphic Communication I, II, III Keyboarding Microsoft Office Physics; AP Physics Intro to Psychology; AP Psychology Pre-Calculus; AP Calculus Speech Today's Tech Trends	<div>                         ♦ <b><u>Information Support &amp; Services Pathways:</u></b>                          Same suggested courses from this cluster.                     </div> <div>                         ♦ <b><u>Network Systems Pathway:</u></b>                          Same suggested courses from this cluster.                     </div> <div>                         ♦ <b><u>Programming and Software Development Pathway:</u></b>                          Same suggested courses From this cluster.                     </div> <div>                         ♦ <b><u>Web &amp; Digital Communications Pathway:</u></b>                          CS-Web Design                     </div>
<p><i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i></p>	

## CAREER OPTIONS IN INFORMATION TECHNOLOGY

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

### ♦ Information Support and Services Pathway

Computer Engineers\*\*\*  
 Cyber Security Specialists\*\*  
 Technical Support Specialists\*\*  
 Database Administrators\*\*  
 Information Scientists\*\*\*

### ♦ Network Systems Pathway

AI Intelligence Engineer\*\*  
 Cloud Engineer\*\*  
 Computer Network Coordinators\*\*\*  
 Cryptographers\*\*  
 Cyber Security Specialists\*\*  
 Computer Systems Analysts\*\*\*  
 Data Communications Analysts\*\*\*  
 Information Scientists\*\*\*  
 Network Tech Support\*\*

### ♦ Programming and Software Development Pathway

Computer Programmers\*\*\*  
 Computer Systems Analysts\*\*\*  
 Platform Administrators\*\*  
 Platform Developers\*\*  
 Scientific and Engineering Programmers\*\*\*  
 Scrum Masters\*\*  
 Software Engineers\*\*\*  
 Tool Programmers\*\*  
 Video Game Designers\*\*  
 Web Developers\*\*

### ♦ Web and Digital Communications Pathway

Animators\*\*  
 Computer Programmers\*\*\*  
 Medical and Scientific Illustrators\*\*\*  
 Web Developers\*\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
AP Statistics Band; Choir; Orchestra Broadcasting-Oral Comm Ceramics; Drawing & Painting; Sculpture Economics; AP Microecon, AP Macroecon English Composition Courses Global Language Introduction to Marketing Medical Terminology Money Matters Personal Financial Management Publications Lab Science Electives	Job Shadow Business Opportunities Internship Youth Apprenticeships <ul style="list-style-type: none"> <li>Information Technology</li> <li>STEM</li> </ul>	Robotics Club Science Olympiad SkillsUSA

*Careers in law, public safety, corrections and security encompass the planning, managing, and providing of protective services, legal services, homeland security and public safety.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Work under pressure or in the face of danger
- ☐ Make decisions based on my own observations
- ☐ Interact with other people
- ☐ Be in positions of authority
- ☐ Respect rules and regulations
- ☐ Debate and win arguments
- ☐ Observe and analyze people's behavior

### **Personal qualities that describe me:**

- ☐ Adventurous
- ☐ Dependable
- ☐ Community-minded
- ☐ Decisive
- ☐ Optimistic

### **School subjects that I like:**

- ☐ Language Arts
- ☐ Psychology/Sociology
- ☐ Government/History
- ☐ Law Enforcement
- ☐ First Aid/First Responder

## **PATHWAYS IN THIS CLUSTER**

- ♦ Correction Services
- ♦ Emergency & Fire Management Services
- ♦ Law Enforcement Services
- ♦ Legal Services
- ♦ Security & Protective Services

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Advanced Composition Business Law Government; AP Government Microsoft Office Intro to Psychology; AP Psychology Sociology Speech Today's Tech Trends	<div>                         ♦ <b><u>Correction Services Pathway:</u></b>                          Self Defense                     </div> <div>                         ♦ <b><u>Emergency &amp; Fire Management Services Pathway:</u></b>                          Adventure Based Activities                          Biology; AP Biology                          Chemistry; AP Chemistry                          Conservation; Advanced Conservation                          Health Occupations I &amp; II                          Medical Terminology                          Outdoor Education                          Physics; AP Physics                          Young Adult Medicine                     </div> <div>                         ♦ <b><u>Law Enforcement Services Pathway:</u></b>                          AP Statistics                          Biology Extended                          Economics                     </div> <div>                         ♦ <b><u>Legal Services Pathway:</u></b>                          Economics                          Medical Terminology                     </div> <div>                         ♦ <b><u>Security and Protective Services Pathway:</u></b>                          Economics                     </div>
<i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i>	



# CAREER OPTIONS IN LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

## ♦ Correction Services Pathway

Correctional Officer Supervisors\*\*\*  
 Correctional Officers\*\*  
 Probation and Parole Officers\*\*

## ♦ Emergency and Fire Management Services Pathway

Dispatchers\*  
 Emergency Management Specialists\*\*\*  
 Emergency Medical Technicians\*\*  
 Fire Inspectors\*\*  
 Firefighter Supervisors\*\*  
 Firefighters\*\*

## ♦ Law Enforcement Services Pathway

Bailiffs\*\*  
 Conservation Wardens\*\*  
 Dispatchers\*  
 FBI Agents\*\*\*  
 Fingerprint Examiners\*\*  
 Forensic Science Technicians\*\*\*  
 Law Enforcement Supervisors\*\*  
 Park Rangers\*\*\*  
 Parking Enforcement Officers\*

Police Canine Trainers\*\*  
 Police Officers\*\*  
 Sketch Artists\*\*  
 State Patrol Officers\*\*

## ♦ Legal Services Pathway

Adjudicators\*\*\*  
 Arbitrators\*\*\*  
 Court Reporters\*\*  
 Judges\*\*\*  
 Judicial Law Clerks\*\*\*  
 Lawyers\*\*\*  
 Legal Secretaries\*\*  
 Paralegal Assistants\*\*

## ♦ Security and Protective Services Pathway

Crossing Guards\*  
 Gaming Surveillance Officers (must be promoted)\*  
 Lifeguard\*  
 Private Detectives\*\*\*  
 Security Guards\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
Composition Computer Science Courses Family Relations Global Language Keyboarding Leadership Training Literature: Multi-Cultural; British Money Matters Novels Personal Financial Management Self Defense Weight Training	Job Shadow Youth Apprenticeship • Health Science	Athletics/Intramurals DECA Forensics French/German/Spanish Clubs Mock Trial National Honor Society Science Olympiad Student Council Warrior Power Club

*Careers in manufacturing encompass planning, managing and processing materials into intermediate or final products.*

*It also includes related Professional and technical support such as production planning, control maintenance and manufacturing, and process engineering.*



## INTERESTS & ABILITIES

### Activities that describe what I like to do:

- ☐ Work with my hands and learn that way
- ☐ Put things together
- ☐ Do routine, organized and accurate work
- ☐ Perform activities that produce tangible results
- ☐ Apply math to work out solutions
- ☐ Use hand and power tools and operate equipment/machinery
- ☐ Visualize objects in three dimensions from flat drawings

### Personal qualities that describe me:

- ☐ Practical
- ☐ Observant
- ☐ Physically active
- ☐ Step-by-step thinker
- ☐ Coordinated

### School subjects that I like:

- ☐ Math-Geometry
- ☐ Chemistry
- ☐ Trade and Industry courses
- ☐ Physics
- ☐ Language Arts

## PATHWAYS IN THIS CLUSTER

- ◆ Health, Safety & Environmental Assurance
- ◆ Logistics & Inventory Control
- ◆ Maintenance, Installation & Repair
- ◆ Manufacturing Production Process Development
- ◆ Production
- ◆ Quality Assurance

SUGGESTED COURSES FOR THIS CLUSTER	ADDITIONAL COURSES FOR SPECIFIC PATHWAYS
Advanced Manufacturing-Warrior Manufacturing Building Trades I & II Engineering Design & Development PLTW-EDD Fab Lab 1/2 Geometry in Construction Intro to Welding Metals-Materials Processes Metals II-Intro to Machine Shop Microsoft Office Principles of Engineering PLTW-POE Woods I & II	◆ <b><u>Health, Safety &amp; Environmental Assurance</u></b> <b><u>Pathway:</u></b> Biology; AP Biology Chemistry; AP Chemistry Conservation; Advanced Conservation Earth Science  <b>Courses for the remaining PATHWAYS are the same as listed on the left.</b>
<p><i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i></p>	

# CAREER OPTIONS IN MANUFACTURING

\* = Entry Level  
\*\* = Certificate, Technical or Associate Degree or Apprenticeship  
\*\*\* = Bachelor or Advanced Degree

## ◆ Health, Safety and Environmental Assurance Pathway

Environmental Engineers\*\*\*  
Environmental Scientists\*\*\*  
Environmental Technicians\*\*  
Nuclear Technicians\*\*  
Occupational Health and Safety Specialists\*\*\*  
Occupational Health and Safety Technicians\*\*\*

## ◆ Logistics and Inventory Control Pathway

Communications and Operations Managers\*\*\*  
Expediteurs\*  
Industrial Truck Operators\*  
Order Fillers\*  
Production and Planning Clerks\*

## ◆ Maintenance, Installation and Repair Pathway

Biomedical Equipment Technicians\*  
Bowling Alley Mechanics\*  
Camera Technicians\*\*  
Communications Line Maintainers\*\*  
Computer Technicians\*\*  
Consumer Electronics Technicians\*\*  
Data Processing Equipment Technicians\*\*  
Electric Motor Technicians\*\*  
Electrical Appliance Servicers\*\*  
Electrical Line Maintainers\*\*  
Electromechanical Technicians\*\*\*  
Farm Equipment Technicians\*\*  
Gasoline Engine Technicians\*\*  
Gunsmiths\*\*  
Industrial Machinery Technicians\*\*  
Instrumentation Technicians\*\*\*  
Laser Technicians\*\*  
Locksmiths\*\*  
Machinery Maintenance Workers\*\*  
Machinists\*\*  
Maintenance Electricians\*\*  
Maintenance Mechanics\*\*  
Mechanical Control Technicians\*\*  
Metal and Plastic Processing Machine Setup Operators\*  
Metal Fabricating Machine Setup Operators\*\*  
Metalworking and Plastic working Machine Setup Operators\*\*  
Millwrights\*\*  
Miscellaneous Machine Setup Operators\*\*  
Musical Instrument Repairers\*\*  
Numerical Control Machine Setup Operators\*\*  
Office Machine Technicians\*\*

Paper Machine Setup Operators\*\*  
Piano Technicians\*\*  
Refrigeration Technicians\*\*  
Security System Technicians\*\*  
Stationary Engineers\*\*  
Technician and Repairer Helpers\*  
Textile Machine Setup Operators\*\*  
Tool Grinders\*\*  
Watch Technicians\*\*  
Woodworking Machine Setup Operators\*\*

## ◆ Manufacturing Production Process Development Pathway

Apparel Patternmakers\*\*  
Chemical Plant Operators\*\*  
Coremakers\*\*  
Electrical Engineering Technicians\*\*  
Electrical Engineers\*\*\*  
Electromechanical Technicians\*\*  
Electronic Engineers\*\*\*  
Electronics Engineering Technicians\*\*  
Engineering Managers\*\*\*  
Industrial Engineering Technicians\*\*  
Industrial Engineers\*\*\*  
Industrial Production Managers\*\*\*  
Machinists\*\*  
Mechanical Drafters\*\*  
Mechanical Engineering Technicians\*\*  
Mechanical Engineers\*\*\*  
Metal Patternmakers\*\*  
Molders\*\*  
Precision Pattern and Model Makers\*\*  
Recycling & Reclamation Workers\*  
Sheet Metal Workers\*  
Tool and Die Makers\*\*  
Tool Designers\*\*\*  
Tool Programmers\*\*  
Welders\*  
Wood Model Makers\*\*  
Wood Patternmakers\*\*

## ◆ Production Pathway

Apparel and Home Furnishings Dyers\*  
Boilermakers\*\*  
Chemical Plant Operators\*\*  
Combination Welders\*\*  
Coremakers\*\*  
Dental Laboratory Technicians\*\*  
Electromechanical Technicians\*\*  
Engravers (must be promoted)\*  
Fabricator and Inspector Helpers\*

Fiberglass Laminators\*  
Furniture Finishers\*  
Gas Plant Operators\*\*  
Gem Workers\*\*  
General Foundry Workers\*  
Hand Workers\*  
Layout Workers\*\*  
Machine Operator and Tender Helpers\*  
Metal and Plastic Processing Machine Operators and Tenders\*  
Metal and Plastic Processing Machine Setup Operators\*  
Metal Fabricating Machine Operators and Tenders\*\*  
Metal Fabricating Machine Setup Operators\*\*  
Mining Machine Operators\*  
Miscellaneous Machine Operators and Tenders\*  
Miscellaneous Machine Setup Operators\*\*  
Numerical Control Machine Setup Operators\*\*  
Oil Well Drillers\*  
Ornamental Iron Workers\*\*  
Paper Machine Setup Operators\*\*  
Precision Assemblers\*  
Precision Calibrators\*  
Precision Production Supervisors\*\*  
Production Assemblers\*  
Production Machine Operators and Tenders\*\*  
Production Supervisors\*\*  
Shipfitters\*\*  
Solderers and Brazers\*\*  
Textile Machine Operators and Tenders\*\*  
Textile Machine Setup Operators\*  
Tire Builders\*  
Upholsterers\*\*  
Woodworking Machine Operators\*\*  
Woodworking Machine Operators and Tenders\*\*  
Woodworking Machine Setup Operators\*\*

## ◆ Quality Assurance Pathway

Electronics Inspectors\*  
Fabricator and Inspector Helpers\*  
Hand Workers\*  
Production Inspectors\*  
Quality Control Technicians\*\*  
Samplers\*  
Weighers, Measurers, and Checkers\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
Algebra III/Trigonometry or Pre-Calculus AP Calculus; AP Statistics Band; Choir; Orchestra Chemistry; AP Chemistry CS-Intro to Programming CS-AP Computer Science A Economics; AP Micro; AP Macro Geometry Graphics Communications I, II and III Introduction to Marketing Keyboarding Management & Entrepreneurship Medical Terminology Money Matters Personal Financial Management Physics; AP Physics Today's Tech Trends	Job Shadow  Business Opportunities Internship  School-Based Enterprise • Adv. Manufacturing-Warrior Manufacturing  Youth Apprenticeship • Manufacturing • STEM • Transportation, Distribution and Logistics	Athletics/Intramurals  FFA  Outdoor Club  Robotics Club  Science Olympiad  SkillsUSA

*Careers in marketing, sales and service encompass planning, managing, and performing marketing activities that are designed to reach organizational objectives.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Shop and go to the mall
- ☐ Be in charge
- ☐ Make displays and promote ideas
- ☐ Give presentations and enjoy public speaking
- ☐ Persuade people to buy products or to participate in activities
- ☐ Communicate my ideas to other people
- ☐ Take advantage of opportunities to make extra money

### **Personal qualities that describe me:**

- ☐ Enthusiastic
- ☐ Competitive
- ☐ Creative
- ☐ Self-motivated
- ☐ Persuasive

### **School subjects that I like:**

- ☐ Language Arts
- ☐ Math
- ☐ Business Education/Marketing
- ☐ Economics
- ☐ Computer Applications

## **PATHWAYS IN THIS CLUSTER**

- ♦ Marketing Management
- ♦ Merchandising
- ♦ Marketing Communications
- ♦ Marketing Research
- ♦ Professional Sales

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Accounting I, II, III, IV Business Law Economics; AP Micro Econ; AP Macro Econ Exploring Business Intro to Marketing, Sports & Entertainment Mktg, Hospitality & Tourism Mktg; Adv. Marketing & Internship Management & Entrepreneurship Microsoft Office Money Matters Personal Financial Management Intro to Psychology; AP Psychology Sociology Speech Today's Tech Trends	<div>             ♦ <b><u>Marketing Communications Pathway:</u></b>              Graphic Comm I, II, III           </div> <div>             ♦ <b><u>Marketing Research Pathway:</u></b>              Advanced Composition              AP Statistics           </div> <p><b>Courses for the remaining PATHWAYS are the same as listed on the left.</b></p>
<p><i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i></p>	

## CAREER OPTIONS IN MARKETING

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

### ♦ Marketing Communications Pathway

Advertising Account Executives\*\*\*  
 Advertising Layout Designers\*\*  
 Business Agents\*\*\*  
 Food Stylists\*\*  
 Fundraising Manager\*\*  
 Public Relations Managers\*\*\*  
 Public Relations Practitioners\*\*\*  
 Telemarketers\*  
 Wedding Planners\*

### ♦ Marketing Management Pathway

Advertising Managers\*\*\*  
 Cashiers\*  
 Direct Sales Representatives\*  
 Marketing Managers\*\*\*  
 News Vendors\*  
 Public Relations Manager\*\*\*  
 Purchasing Managers\*\*  
 Street Vendors\*

### ♦ Marketing Research Pathway

Market Research Analysts\*\*\*  
 Research Analysts\*\*\*

### ♦ Merchandising Pathway

Buyers\*\*  
 Classified Ad Clerks\*  
 Commodity Sales Supervisors\*\*\*  
 Customer Service Representatives\*  
 Department Store Managers\*\*\*  
 Display Persons\*\*  
 Purchasing Agents\*\*

### ♦ Professional Sales Pathway

Advertising Sales Representatives\*\*  
 Antique/Collectible Dealers\*  
 Auctioneers\*\*  
 Automotive Parts Salespersons\*  
 Automobile Salespersons\*  
 Business Services Sales Representatives\*\*  
 Counter Clerks\*\*  
 Customer Service Representatives\*  
 Direct Sales Representatives\*\*  
 Home and Home Improvement Product Salespersons\*\*  
 Insurance Agents\*\*\*  
 Models\*  
 Personal Product Salespersons\*  
 Real Estate Agents\*\*\*  
 Real Estate Brokers\*\*  
 Recreation and Leisure Product Salespersons\*  
 Retail Sales Supervisors\*\*  
 Salesclerks\*  
 Sales Engineers\*\*\*  
 Sales Representatives\*\*  
 Technical Salespersons\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
Adventure Based Activities Art Foundations & Electives Broadcasting-Oral Comm Composition; Advanced Composition CS-Web Design Foods I, II & III Food Science Government; AP Government Global Language Keyboarding Publications Lab	Job Shadow  Business Opportunities Internship  Adv. Marketing Internship  School-Based Enterprise <ul style="list-style-type: none"> <li>Management &amp; Entrepreneurship (Junior Achievement)</li> <li>School Store</li> </ul> Youth Apprenticeship <ul style="list-style-type: none"> <li>Hospitality/Lodging/Tourism</li> <li>Marketing</li> </ul>	Athletics/Intramurals DECA FCCLA Forensics French/German/Spanish Clubs Mock Trial Music/Drama Productions Peyton's Promise Prom Committee Publications Lab Staff

*Careers in science, technology, engineering and mathematics encompass planning, managing, and providing scientific research in areas such as physical science, social science and engineering. This also includes laboratory/testing and research/development services.*



## **INTERESTS & ABILITIES**

### **Activities that describe what I like to do:**

- ☐ Interpret formulas
- ☐ Find answers to questions
- ☐ Work in a laboratory
- ☐ Figure out how things work and investigate new things
- ☐ Explore new technology
- ☐ Experiment to find the best way to do something
- ☐ Pay attention to details and help things be precise

### **Personal qualities that describe me:**

- ☐ Detail oriented
- ☐ Inquisitive
- ☐ Objective
- ☐ Methodical
- ☐ Mechanically inclined

### **School subjects that I like:**

- ☐ Math
- ☐ Science
- ☐ Drafting/Computer Aided Drafting
- ☐ Electronics/Computer Networking
- ☐ Technical Classes/Technology Education

## **PATHWAYS IN THIS CLUSTER**

- ♦ Engineering and Technology
- ♦ Science and Math

<b>SUGGESTED COURSES FOR THIS CLUSTER</b>	<b>ADDITIONAL COURSES FOR SPECIFIC PATHWAYS</b>
Algebra II Algebra III or Pre-Calculus; AP Calculus AP Statistics Biology; AP Biology Chemistry; AP Chemistry CS-AP Computer Science CS-Intro to Programming Engineering Design & Dev PLTW-EDD Earth Science Economics; AP Microecon; AP Macroecon Fab Lab 1/2 Geometry in Construction Physics; AP Physics Principles of Engineering PLTW-POE Intro to Psychology; AP Psychology Speech	<div>                         ♦ <b><u>Engineering and Technology Pathway:</u></b>                          Same as listed on left.                     </div> <div>                         ♦ <b><u>Science and Math Pathway:</u></b>                          Food Science                          Medical Terminology                          Vet Science                     </div>
<i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i>	

## CAREER OPTIONS IN SCIENCE TECHNOLOGY, ENGINEERING & MATHEMATICS

\* = Entry Level  
\*\* = Certificate, Technical or Associate Degree or Apprenticeship  
\*\*\* = Bachelor or Advanced Degree

### ♦ Engineering and Technology Pathway

Aerospace Engineers\*\*\*  
Agricultural Engineers\*\*\*  
Ceramic Engineers\*\*\*  
Chemical Engineers\*\*\*  
Chemical Technicians\*\*  
Civil Engineering Technicians\*\*  
Civil Engineers\*\*\*  
Computer Engineers\*\*\*  
Electrical Engineering Technicians\*\*  
Electrical Engineers\*\*\*  
Electronic Engineers\*\*\*  
Electronics Engineering Technicians\*\*  
Engineering Managers\*\*\*  
Environmental Engineers\*\*\*  
Humanoid Robotics Designers\*\*\*  
Industrial Engineering Technicians\*\*  
Industrial Engineers\*\*\*  
Marine Engineers\*\*\*  
Mechanical Drafters\*\*  
Mechanical Engineering Technicians\*\*  
Mechanical Engineers\*\*\*  
Mining Engineers\*\*\*  
Nuclear Engineers\*\*\*  
Nuclear Technicians\*\*  
Packaging Engineers\*\*\*  
Petroleum Engineers\*\*\*

Petroleum Technicians\*\*  
Software Engineers\*\*\*  
Solar Engineers\*\*\*  
Space Systems Technicians\*\*  
Technical Writers\*\*\*  
Tool Designers\*\*\*

### ♦ Science and Math Pathway

Agronomists\*\*\*  
Animal Scientists\*\*\*  
Anthropologists\*\*\*  
Archaeologists\*\*\*  
Astronomers\*\*\*  
Biological Scientists\*\*\*  
Biological Technicians\*\*  
Biomedical Engineers\*\*\*  
Cartographers\*\*\*  
Chemical Technicians\*\*  
Chemists\*\*\*  
Computer Programmers\*\*\*  
Computer Security Specialists\*\*  
Computer Systems Analysts\*\*\*  
Enologists\*\*\*  
Environmental Scientists\*\*\*  
Environmental Technicians\*\*  
Food Processing Technicians\*\*  
Food Technologists\*\*\*  
Geneticists\*\*\*

Geographers\*\*\*  
Geologists\*\*\*  
Horticulturists\*\*\*  
Hydrologists\*\*\*  
Information Scientists\*\*\*  
Insurance Underwriters\*\*\*  
Job Analysts\*\*\*  
Materials Scientists\*\*\*  
Mathematical Technicians\*\*  
Mathematicians\*\*\*  
Metallurgists\*\*\*  
Microbiologists\*\*\*  
Meteorologists\*\*\*  
Oceanographers\*\*\*  
Paleontologists\*\*\*  
Physicists\*\*\*  
Research Analysts\*\*\*  
Scientific and Engineering  
Programmers\*\*\*  
Seismologists\*\*\*  
Sociologists\*\*\*  
Soil Conservationists\*\*\*  
Statistical Clerks\*  
Statisticians\*\*\*  
Veterinarians\*\*\*  
Veterinary Researchers\*\*\*  
Wildlife Biologists\*\*\*  
Zookeepers\*\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
Composition; Advanced Composition CS-AP Computer Science Foods I, II, III Global Language Introduction to Marketing Intro to Welding Keyboarding Metals-Material Processes Metals II-Intro to Machine Shop Microsoft Office Money Matters Personal Financial Management Woods-Material Processes	Job Shadow  Business Opportunities Internship  School-Based Enterprise • Adv. Manufacturing - Warrior Manufacturing  Youth Apprenticeship • Agriculture, Food and Natural Resources  • Information Technology  • STEM	Astronomy Club Athletics/Intramurals FCCLA FFA Math Club Mock Trial Outdoor Club Robotics Club Science Olympiad SkillsUSA Solar Olympics Tech Crew



*Careers in transportation, distribution and logistics encompass the planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water. This also includes services such as transportation, infrastructure planning, management, logistics services, mobile equipment and facility maintenance.*



## INTERESTS & ABILITIES

### Activities that describe what I like to do:

- ☐ Travel
- ☐ See well and have quick reflexes
- ☐ Solve mechanical problems
- ☐ Design efficient processes
- ☐ Anticipate needs and prepare to meet them
- ☐ Drive or ride
- ☐ Move things from one place to another

### Personal qualities that describe me:

- ☐ Realistic
- ☐ Mechanical
- ☐ Coordinated
- ☐ Observant
- ☐ Planner

### School subjects that I like:

- ☐ Math
- ☐ Trade and Industry courses
- ☐ Physical Sciences
- ☐ Economics
- ☐ Foreign Language

## PATHWAYS IN THIS CLUSTER

- ♦ Facility and Mobile Equipment Maintenance
- ♦ Health, Safety and Environmental Management
- ♦ Logistics Planning and Management Services
- ♦ Sales and Service
- ♦ Transportation Operations
- ♦ Transportation Systems/Infrastructure Planning, Management and Regulation
- ♦ Warehousing and Distribution Center Operations

SUGGESTED COURSES FOR THIS CLUSTER	ADDITIONAL COURSES FOR SPECIFIC PATHWAYS
AP Statistics Auto Awareness Earth Science Intro to Welding Intro to Power Mechanics Microsoft Office Occupational Mechanics I, II Physics; AP Physics Speech	<div>                         ♦ <b>Facility &amp; Mobile Equipment Maintenance Pathway:</b>                          Fab Lab 1/2                          Principles of Engineering PLTW-POE                          Engineering Design &amp; Development PLTW-EDD                     </div> <div>                         ♦ <b>Health, Safety &amp; Environmental Management Pathway:</b>                          Fab Lab 1/2                          Principles of Engineering PLTW-POE                          Engineering Design &amp; Development PLTW-EDD                     </div> <div>                         ♦ <b>Sales &amp; Service Pathway:</b>                          Intro to Marketing, Hospitality &amp; Tourism Mktg, Adv. Marketing                     </div> <div>                         ♦ <b>Transportation Operations Pathway:</b>                          Engineering Design &amp; Development PLTW-EDD                     </div> <div>                         ♦ <b>Transportation Systems/Infrastructure Planning Pathway:</b>                          Engineering Design &amp; Development PLTW-EDD                          Fab Lab 1/2                          Principles of Engineering PLTW-POE                     </div> <p style="text-align: center;">Courses for the remaining PATHWAYS are the same as listed on the left.</p>
<p><i>Courses listed within this plan are only suggested coursework and should be individualized to meet each learner's educational and career goals.</i></p>	



## CAREER OPTIONS IN TRANSPORTATION, DISTRIBUTION & LOGISTICS

\* = Entry Level  
 \*\* = Certificate, Technical or Associate Degree or Apprenticeship  
 \*\*\* = Bachelor or Advanced Degree

### ♦ Facility and Mobile Equipment Maintenance Pathway

Aircraft Engine Mechanics\*\*  
 Aircraft Mechanics\*\*  
 Auto Body Technicians\*\*  
 Automobile Painters\*  
 Automobile Parts Salespersons\*  
 Automotive Master Mechanics\*\*  
 Avionics Technicians\*\*  
 Bicycle Technicians\*  
 Car Wash Attendants\*  
 Diesel Technicians\*\*  
 Electromechanical Technicians\*\*  
 Gasoline Engine Technicians\*\*  
 Heavy Construction Equipment Technicians\*\*  
 Industrial Truck Technicians\*\*  
 Marine Oilers\*\*  
 Motorcycle Mechanics\*\*  
 Rail and Track Laying Equipment Operators\*  
 Service Station Attendants\*  
 Technician, Mechanic, and Repairer Supervisors\*\*  
 Tire Repairers and Changers\*  
 Windshield Installers\*\*

### ♦ Health, Safety and Environmental Management Pathway

Environmental Scientists\*\*\*  
 Environmental Technicians\*\*  
 Hazardous Waste Specialists\*\*\*  
 Industrial Waste Inspectors\*\*\*  
 Nuclear Technicians\*\*  
 Public Health Sanitarians\*\*\*  
 Security Consultants\*\*  
 Waste Disposal Attendants\*

### ♦ Logistics Planning and Management Services Pathway

Industrial Clerks\*\*  
 Logisticians\*\*\*

### ♦ Sales and Service Pathway

Reservation and Ticket Clerks\*  
 Travel Agency Managers\*\*\*  
 Travel Agents\*\*\*

### ♦ Transportation Operations Pathway

Air Traffic Controllers\*\*\*  
 Airline Pilots\*\*  
 Astronauts\*\*\*  
 Boat and Barge Operators\*\*  
 Brake Couplers\*  
 Bridge and Lock Tenders\*  
 Bus Drivers\*  
 Deckhands\*  
 Delivery Drivers\*  
 Flight Attendants\*\*  
 Great Lakes Ship Officers\*\*  
 Heavy Truck Drivers\*\*  
 Highway Maintenance Workers\*  
 Light Truck Drivers\*\*  
 Locomotive Engineers (must be promoted)\*  
 Material Moving Equipment Operators\*\*  
 Mining Managers\*\*\*  
 Parking Lot Attendants\*  
 Petroleum Plant Operators\*\*  
 Railroad Conductors and Yardmasters (must be promoted)\*  
 Taxicab Drivers\*  
 Transportation and Material Moving Supervisors\*\*

Transportation Operations Managers\*\*  
 Vending Machine Servicers\*\*

### ♦ Transportation Systems/Infrastructure Planning, Management and Regulation Pathway

Cartographic Technicians\*\*  
 Mechanical Engineering Technicians\*\*  
 Mechanical Engineers\*\*\*  
 Surveying Technicians\*\*  
 Switch Tenders\*  
 Transportation Inspectors\*\*

### ♦ Warehousing and Distribution Center Operations Pathway


Bridge and Gantry Crane Operators\*\*  
 Central Supply Technicians\*  
 Expeditors\*  
 Freight, Stock, and Material Handlers\*  
 Gas Plant Operators\*\*  
 Grips\*  
 Helper, Handler, and Laborer Supervisors (must be promoted)\*  
 Hoist and Winch Operators\*  
 Industrial Truck Operators\*  
 Longshoring Equipment Operators\*\*  
 Petroleum Plant Operators\*\*  
 Production and Planning Clerks\*  
 Riggers\*  
 Transportation and Material Moving Supervisors\*\*  
 Truck Crane Operators\*\*

ADDITIONAL COURSES FOR SPECIFIC CAREERS	WORK-BASED LEARNING	CO-CURRICULAR, STUDENT ORGANIZATIONS & ACTIVITIES
Algebra III Chemistry Economics; AP Microeconomics Global Language Government Pre-Calculus; AP Calculus	Job Shadow  Youth Apprenticeship • Transportation, Distribution & Logistics	Athletics/Intramurals DECA Forensics Outdoor Club Robotics Club SkillsUSA

# AGRICIENCE

## Career and College Ready in Agriscience

- Experience, labs, projects, and field trips to prepare for future career choices.
- Every day in class is different. You will be actively learning and not just sitting at a desk.
- You will have “choice” to learn about topics that you’re interested in, and “choice” in how to complete them.

COURSE TITLES	OFFERED	YEAR TAKEN	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Agriculture, Food &amp; Natural Resources</b>
Introduction to Agriscience	Semester or Year	9-12	
Conservation	Semester I or II	9-12	
Vet Science	Semester I or II	10-12	
Horticulture	Semester II	10-12	
Advanced Conservation	Semester I	10-12	
YOUTH APPRENTICESHIP PROGRAM			
Agriculture, Food & Natural Resources (AFNR)	1 or 2 Years	11-12	See page 59

## INTRODUCTION TO AGRICIENCE

**Course:** 110021/210021  
**Credit:** .5/Sem. or 1.0/Year  
**Offered:** Semester or Year  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** \$5/Sem.

- Gain confidence working with live animals, wildlife, food science and plants.
- Focus on exploring interest in over 350 related careers.
- Experience new ways to feed the world through biotechnology, our hydroponics lettuce growing machine, and animal science labs.

Are you interested in animals, plants, or the outdoors? Do you enjoy hands-on experiments? If so, this class is for you! Check out the new era of agriculture where we will explore the school greenhouse, animal science, wildlife, marketing, biotechnology, and much more than you imagined! This class can be taken for a semester, or full year. Semesters can be taken during different years as well.

Semester 1 focus: introduction to agriculture, plants, large animals and conservation.

Semester 2 focus: introduction to biotechnology, food science, marketing and small animals.

## CONSERVATION

**Course:** 110041/210041  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** \$5/Sem.

- Explore 100's of careers working with wildlife from DNR biologists, foresters, and outdoor experiences.
- Gain hands-on knowledge of wildlife and how they affect Wisconsin including: wildlife & fish ecology, waterfowl management, career exploration, invasive species, and more.
- Focus on hands-on activities.

This is a hands-on course for students who love nature, hunting, fishing, trapping, and the great outdoors! In this class you will learn about the animals, fish and wildlife you are interested in. If you want to find a career dealing with wildlife this class will help you do that. Activities will include: taxidermy projects, wood duck nesting studies, field trip to a fish hatchery, focus on Wisconsin wild animals/fish, scoring deer antlers, and having tons of guest speakers from the DNR who share hands-on activities and information about the wildlife all around us, and possible careers for you.

## VET SCIENCE

**Course:** 110121/210121  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** \$5/Sem.  
**Credit:** Dual Credit-See note below

- Experience working with small and large animals in a vet lab, production, and pet owner setting. Work with animals in the classroom every day.
- Explore 100's of careers directly related to animal science and animal behavior.
- Work with animals: behavior, vet procedures, genetics, reproduction, nutrition, handling, animal rights, and more.

This is a course for students who love animals and want to learn more about animal science. In this course we will study animal anatomy, production, rights, behavior, feeding, care, reproduction and genetics. We will work with live animals, and you can even incorporate your own animals into class labs and projects. Learn more about caring for your pet, or what it takes to get a career working with animals. Activities will include having veterinarian guest speakers, having your own class lab animal, working with live animals in lab, animal behavior studies, field trips, and learning basic veterinary procedures.

**NTC will grant dual credit to junior and senior students who earn a C+ or better. Sophomore students must earn an A for credit. This course is offered for 3 college level credits for free!!!**

**Note:** Course can fulfill 0.5 credit of science toward high school graduation requirements and college admission.



NTC Equivalent Class:  
 Introduction to Animal Science #10-091-104 (3 credits)  
 Department: Animal Husbandry

## HORTICULTURE

**Course:** 210101  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** \$5/Sem.  
**Credit:** Dual Credit-see note below.

- Experience hands-on labs and projects and labs to expose you to real life experiences.
- Explore 100's of careers related to plant science, agronomy, marketing, landscaping, natural resources, and numerous other careers that stem from plant production.
- Experience a sense of pride in growing plants from start to finish as you market them to our community.

This is a hands-on course for students who enjoy plants, creating landscapes, and running a greenhouse from start to finish. You will finish the year with the annual greenhouse plant sale, selling the plants you grew, to the community. Activities will include: designing and creating landscapes, field trips, growing your own plants in the greenhouse, business planning/marketing, agronomy, land use management, pruning trees and learning from greenhouse operators and florists.

**NTC will grant dual credit to junior and senior students who earn a C+ or better. Sophomore students must earn an A for credit. This course is offered for 1 College level credit for free!!**

**Note:** Course can fulfill 0.5 credits of science toward high school graduation requirements and college admission.



NTC Equivalent Class:  
 Container Gardening #31-001-101 (1 credit)  
 Department: Horticulture

## ADVANCED CONSERVATION

**Course:** 110081  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** Recommend taking Conservation prior to Advanced Conservation.  
**Fee:** \$5/Sem.  
**Credit:** Dual Credit-see note below.

- Acquire skills working with wildlife, forests, soils, and natural resources.
- Explore 100's of careers working with natural resources.
- Obtain unique school experiences that expose you to real-life projects to expose you to careers working in natural resources.

This is a hands-on course that deals with the outdoors and focuses on forestry, wildlife, and land conservation. If you are interested in working outside or finding a job in natural resources or the DNR – take this class. Activities include: running a saw mill, building and putting up wood duck houses, deer processing, land zoning/descriptions, working with foresters at active logging sites, real issues in conservation, spending time at the School Forest, orienteering, soil management, and doing real-life deer population surveys.

**NTC will grant dual credit to junior and senior student who earn a C+ or better. Sophomore students must earn an A for credit. This course is offered for 2 College level credits for free!!!**





**Note:** Course can fulfill 0.5 credit toward high school graduation requirements and college admission.



NTC Equivalent Class:  
 Introduction to Soils #10-093-102 (2 credits)  
 Department: Crop Science

## ART

Artists do more than just paint pictures or sculpt with clay. Artists are curious individuals who are driven by the desire to create and a willingness to take chances. Artists see and think about the world in a unique way, which they share with others through the works they create. They are problem solvers, critical thinkers, and adapt to a changing world. You may think there are a select, special few with art talent...and then there are the rest. Wrong! The fact is you have art skills! By signing up for art, you will learn and discover talents you never thought you had. Art is for everyone.

COURSE TITLES	OFFERED	YEAR TAKEN	
Art Foundations	Year	9-12	 <b>Architecture &amp; Construction</b>   <b>Arts, A/V Technology &amp; Communications</b>   <b>Information Technology</b>   <b>Marketing</b>
Drawing and Painting	Year	10-12	
Advanced Drawing	Semester I	11-12	
Advanced Painting	Semester II	11-12	
Ceramics I	Semester I	10-12	
Ceramics II	Semester II	10-12	
Sculpture	Semester I	10-12	
Advanced 3D	Semester II	10-12	
Studio Art	Year	12	
AP Studio Art	Year	12	

### Which Art Course Should You Take?

Unless you are a junior or senior standing, Art Foundations is the prerequisite class for all level-one art courses. This year-long multi-media art course has been developed as an introduction to drawing, painting, ceramics, sculpture, and design. Art Foundations students will explore and build on various two-dimensional and three-dimensional art skills.

As a junior or senior standing, you have the opportunity to bypass Art Foundations.

Students who successfully complete a level-two or advanced art course and obtain a West Art Teacher's approval have the opportunity to take Studio Art or AP Studio Art their senior year.

## ART FOUNDATIONS

**Course:** 112061/212061  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** \$11/Sem.

Art Foundations is the initial year-long art course. The Art Foundation curriculum is an exploration of drawing, painting, sculpture, ceramics, and design, in both two and three-dimensional mediums. Students will incorporate the elements of art, principles of design, and the study of art history into their artwork. Emphasis is on initial techniques in various media and exploration.

## DRAWING AND PAINTING

**Course:** 112111/212111  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 10-12  
**Prereq:** Art Foundations or junior/senior standing.  
**Fee:** \$11/Sem.

This year-long course will explore drawing and painting in a variety of styles and mediums. Students will build their knowledge of drawing and painting techniques throughout the year. Continued study of art history, elements of art, and principles of design will be incorporated into this course. Portfolio development will be introduced. **\*This course may be taken only once.**

## ADVANCED DRAWING

**Course:** 112131  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 11-12  
**Prereq:** Drawing & Painting  
**Fee:** \$11/Sem.

This is a semester course offered to art students who have successfully completed Drawing and Painting. In-depth drawing techniques will be explored with emphasis on compositions that incorporate advanced gradation, patterning, and visual texture. Students will continue development of their own unique drawing style. Student art portfolios will be further developed in this course. **\*This course may be taken only one semester.**

## ADVANCED PAINTING

**Course:** 212361  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 11-12  
**Prereq:** Drawing & Painting  
**Fee:** \$11/Sem.

This is a semester course offered to art students who have successfully completed Drawing and Painting. In this course, advanced watercolor and acrylic techniques are applied to two-dimensional surfaces. Students will learn how to construct their own canvases and explore multi-media options in their paintings. Student art portfolios will be further developed in this course. **\*This course may be taken only one semester.**

## CERAMICS I

**Course:** 112401  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** Art Foundations or junior/senior standing.  
**Fee:** \$15/Sem.

This is a semester course designed for the students who want to be challenged by a pliable three-dimensional medium...CLAY! Students will explore hand-building clay construction, throwing on the potter's wheel, coil building, slab techniques, and surface and glazing methods. Portfolio development will be introduced. **\*This course may be taken only one semester.**

## CERAMICS II

**Course:** 212421  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** Ceramics I  
**Fee:** \$15/Sem.

This is a semester course offered to art students who have successfully completed Ceramics I. Students will explore advanced construction, throwing, and glazing techniques, as well as learn about kiln firing processes. Student art portfolios will be further developed in this course. **\*This course may be taken only one semester.**

## SCULPTURE

**Course:** 112121  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** Art Foundations or junior/senior standing.  
**Fee:** \$11/Sem.

This is a semester course that is designed for the student who wants to explore art in three-dimensional forms. Many different art mediums, including foam core, clay, wood, and more, will be incorporated into large and small-scale sculptures. Students will learn and apply additive and subtractive techniques as well as learn how to construct relief sculptures and sculptures in-the-round. Portfolio development will be introduced. **\*This course may be taken only one semester.**

## ADVANCED 3D

**Course:** 212541  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** Sculpture or Ceramics II  
**Fee:** \$11/Sem.

This is a semester course for students who have successfully completed either Sculpture or Ceramics II. Students will further develop skills using sculpture media and techniques. A specialty area will be individually selected based on previous 3D art courses taken. Student art portfolios will be further developed in this course. **\*This course may be taken only one semester.**

## STUDIO ART

**Course:** 112041/212041  
**Credit:** .5/Sem.  
**Offered:** Year  
**Year Taken:** 12  
**Prereq:** Successful completion of a level-two or advanced art course and Art Faculty approval.  
**Fee:** \$15/Sem.

Studio Art students will explore problem solving and visual communication. This class offers advanced individualized and student-directed learning, as students explore concept development and master advanced level design skills in the mediums they choose. Students will continue to refine and explore composition development in a personal manner, and strive towards artistic excellence. All students will create a body of work to be displayed at the final art show and develop a final portfolio. Ongoing critical analysis through group and individual critiques provide students with opportunities to learn and analyze both peers' work and their own work.

**Note:** Art Instructor signature required to take this course.

## AP STUDIO ART





**Course:** 112051/212051  
**Credit:** .5/Sem.  
**Offered:** Year  
**Year Taken:** 12  
**Prereq:** "A" or "B" grade in a level-two or advanced art course and Art Faculty approval.  
**Fee:** \$15/Sem.

AP Studio Art is designed for students who are highly motivated and seriously interested in the study of art. AP Studio Art students explore high-level thinking and have the potential to earn college credit. This course demands significant commitment, previous training in art, and requires students to submit a completed portfolio of work to the College Board. All AP students become independent thinkers, apply knowledge of the elements and principles of art, show mastery of advanced level design skills, and work through concepts addressed in a college-level foundation course. Ongoing critical analysis through group and individual critiques provide students with opportunities to learn and analyze both peers' work and their own work.

**Note:** Art Instructor signature required to take this course.

# BUSINESS/MARKETING EDUCATION

Prepare for the future – Plan for success

COURSE TITLES	OFFERED	YEAR TAKEN	
Exploring Business	Semester I or II	9-12	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Business Management &amp; Administration</b>
Business Core	Semester I	9-12	
Introduction to Keyboarding	Semester I or II	9-12	
Keyboarding	Semester I or II	9-12	
Microsoft Office	Semester I or II	9-12	
Today's Tech Trends	Semester I or II	9-12	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Finance</b>
Today's Tech Trends Core	Semester II	9-12	
Personal Financial Management	Semester I or II	10-12	
Personal Financial Management Core	Semester I	10-12	
Management and Entrepreneurship	Semester I	10-12	
Recordkeeping I	Semester I or II	10-12	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Hospitality &amp; Tourism</b>
Accounting I	Semester I or II	10-12	
Accounting II	Semester II	10-12	
Accounting III	Semester I	11-12	
Accounting IV	Semester II	11-12	
Business Law	Semester II	10-12	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Marketing</b>
Introduction to Marketing	Semester I	9-12	
Sports and Entertainment Marketing	Semester II	9-12	
Hospitality and Tourism Marketing	Semester II	9-12	
<b>INTERNSHIP PROGRAMS</b>			
Advanced Marketing	Year	12	
Marketing Internship	Year	12	
Business Opportunities (Employability Skills)	Year	12	
Business Opportunities Internship	Year	12	
<b>APPRENTICESHIP PROGRAM COORDINATION</b>			
Agriculture, Food & Natural Resources (AFNR)	1 or 2 Years	11-12	
Architecture and Construction	1 or 2 Years	11-12	
Arts, A/V Technology and Communication	1 or 2 Years	11-12	
Business Administration	1 or 2 years	11-12	
Education	1 or 2 Years	11-12	
Finance	1 or 2 Years	11-12	
Health Science	1 or 2 Years	11-12	
Hospitality/Lodging/Tourism	1 or 2 Years	11-12	
Information Technology (IT)	1 or 2 Years	11-12	
Manufacturing	1 or 2 Years	11-12	
Marketing	1 or 2 Years	11-12	
STEM (Science, Technology, Engineering & Math)	1 or 2 Years	11-12	
Transportation, Distribution & Logistics (TDL)	1 or 2 Years	11-12	
<b>GENERAL ELECTIVE</b>			
Publications Lab (Yearbook & Magazine)	Year	9-12	May be taken multiple semesters



## ACCOUNTING I

**Course:** 114001/214001  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

Planning a career in the fields of business, marketing, or finance? Accounting is the language of business. Students learn the procedures involved in completing the accounting cycle. They will complete transactions and prepare financial statements that are necessary for businesses to make financial decisions. Accounting principles and procedures are presented and followed. Accounting is a must in a business career.

## ACCOUNTING II

**Course:** 214011  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** Accounting I  
**Fee:** None  
**Credit:** Dual Credit-See pg. 6.

Accounting II extends the concepts learned in Accounting I. In this course students will record payroll and taxes, notes and interest, and be introduced to partnership and corporation accounting. This course is strongly recommended for anyone planning to enroll in technical college/university as a business, marketing, or finance major or minor.



NTC Equivalent Class:  
 Accounting I #10-101-111 (4 credits)  
 Department: Accounting

## ACCOUNTING III

**Course:** 114021  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 11-12  
**Prereq:** Accounting I and II  
**Fee:** None

Advance your career objectives in the business and/or accounting profession. This is for students who are interested in pursuing an accounting or finance degree & want to obtain the accounting skills necessary to advance to the level accountant; or want to broaden and improve their knowledge, understanding, and application of accounting competencies. Strongly recommended for anyone planning to enroll in a technical college/university as a business or finance major.

## ACCOUNTING IV (QUICKBOOKS)

**Course:** 214031  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 11-12  
**Prereq:** Accounting I, II and III  
**Fee:** None  
**Credit:** Dual Credit-See pg. 6.

An extension of Accounting III designed for students who are interested in an accounting or a business-related career. Includes course work in partnerships and corporation accounting, cost accounting, and Quickbooks. Strongly recommended for anyone planning to enroll in a college/university or technical college as a business or finance major.

**Note:** Quickbooks certification available.



NTC Equivalent Class:  
 Quickbooks I #10-101-180 (1 credit)  
 Quickbooks II #10-101-181 (1 credit)  
 Department: Accounting

## ADVANCED MARKETING

**Course:** 114301/214301  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 12  
**Prereq:** Intro to Marketing and Sports & Entertainment or Hospitality & Tourism Marketing, Senior and consent of Instructor.  
**Fee:** None  
**Credit:** Dual Credit-See pg. 6.

Advanced Marketing takes the understanding of marketing to a new level. Students will also study the character traits necessary to become successful both personally and professionally as they apply to areas of business. Classroom instruction will include both large and small group instruction with emphasis on teamwork through small group projects. Focusing on individual talents, abilities, and interests, this class explores careers and workplace readiness, advanced-marketing applications, and human relations. Second semester students will be developing a strategic Marketing Plan for NTC on a product of their choice. Advanced Marketing students also manage and operate the school store.



NTC Equivalent Classes:  
 Marketing Principles #10-104-172 (3 credits)  
 Department: Marketing

## BUSINESS CORE

**Course:** 114041  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 9-12  
**Prereq:** Consent of Counseling and/or Special Education Department.  
**Fee:** None

This course is designed for students who need instruction in basic keyboarding. Areas of study to include career exploration, employment skills, and consumer information, as well as software programs, which include Google Drive and Microsoft Word. Keyboarding of class assignments using the correct format will be included such as writing reports and papers.

**Note:** Student must successfully complete Business Core semester 1 or a Keyboarding class to advance to Today's Tech Trends Core semester 2.

This course is also listed on page 117 of the handbook.

## BUSINESS LAW

**Course:** 214361  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

The Business Law course is designed to provide students with an overview of our legal system, including statutes and regulations that affect businesses, families, and individuals in a variety of ways. Knowledge of business law is particularly useful because all students eventually assume the role of citizen, worker, and consumer in society. Students will learn about various types of laws, courts, legal systems and develop an understanding needed to make legal decisions. Specifically, students will learn about civil and criminal law including financial crimes, and contracts. Real-world examples and cases help students apply their knowledge of contract and property law. The material covered in the Business Law course is reinforced and enhanced through the use of technology, guest speakers, videos and hands-on, project-based activities whenever possible. In addition, because experiential learning is an important aspect of all business courses, a field trip to the courts or other law-related destination may also be offered.

## BUSINESS OPPORTUNITIES

**Course:** 114171/214271  
**Credit:** .5 per Semester  
**Offered:** Year  
**Year Taken:** 12  
**Prereq:** Senior  
**Fee:** None

Business Opportunities is designed to prepare students for success after high school. The course includes work in the following areas: career exploration, training and schooling options, employment-seeking skills, successful work attitudes, lifetime business skills, and other related personal and business skills. Developing organization skills, and goal setting are a part of the course activities. The course content will be helpful to students who plan on seeking employment upon graduation, attending a technical college or trade school, joining the military or attending a college or university. Weekly discussions are based upon students' work experiences and life happenings.

**2<sup>nd</sup> Semester:** Students will be actively involved in researching various situations related to our school. This endeavor aims to foster their ability to work effectively in teams, tackle complex problems, and think critically. To emulate a real-world work environment, students will apply project management principles during this process. While investigating these scenarios, students will analyze the present circumstances, collect data, pinpoint challenges, and uncover opportunities. Subsequently, they will devise solutions. This entire exercise in this course is designed to equip them with indispensable skills such as teamwork, problem-solving, and critical thinking, which are not only valuable in their academic journey but also in their future careers.

## BUSINESS OPPORTUNITIES INTERNSHIP

**Course:** 114181/214181  
**Credit:** 2.0/Year  
**Offered:** Year  
**Year Taken:** 12  
**Prereq:** Senior. Must be enrolled in Business Opportunities for the entire year or be a mid-term graduate.  
**Fee:** None

A Business Opportunities student may earn two credits per year (one per semester) in addition to class credit (see above) by working in the community an average of 12 - 15 hours per week. The student can be released from school during the afternoon to work or can choose to work the required hours in the evenings or on the weekends. The students may make arrangements with their current employer for internship status or can be assisted in finding a job placement by the internship coordinator. Job placements are based upon student interest, student skills and future career plans. Students are supervised by the Business Opportunities Internship Coordinator and the training site supervisor. Students will pursue the State of Wisconsin Employability Certificate.

## EXPLORING BUSINESS

**Course:** 114351/214351  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

Curious what business is all about? This one-semester course is designed to provide a basic understanding and overview of business concepts and their importance to our economic system, both locally and internationally. Topics will include an overview of types of business, ownership, economics, management, marketing and entrepreneurship. Students will also have the opportunity to work in Wausau West's school-based enterprise, "West-Side Connection".

## HOSPITALITY & TOURISM MARKETING

**Course:** 214541  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 9-12  
**Prereq:** Intro to Marketing  
**Fee:** None

*Explore the exciting world of the Hospitality and Tourism Industry!* Hospitality and tourism are topics that students can relate to and make their own. After all, everyone goes to restaurants, and many people travel and stay in lodging facilities. These exciting businesses continue to grow and employ a vast number of people. Hospitality and tourism marketing encompasses the management, marketing and operations of restaurants and other food service, lodging, attractions, and recreation events and travel-related services. Students "learn by doing" through hands-on projects. Students will be creating a Food Truck with the Foods III class. Students will implement all of their marketing ideas and even get to create the dishes that they would offer in their Food Truck.

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## INTRODUCTION TO KEYBOARDING

**Course:** 114421/214421  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

This course is designed for students who have not had or may need additional instruction and practice in basic keyboarding. Typing skills is a valuable life skill. The work completed in this course will improve typing accuracy and speed. Course content includes basic keyboarding instruction, letters, using the home-row, and creating letters, memos, reports and more.

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## INTRODUCTION TO MARKETING

**Course:** 114281  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

Did you know that over 75% of all jobs in the U.S. involve some aspect of marketing? This introductory course is perfect for all students who want to learn more about business and marketing. The course explores consumer behavior, advertising, promotions, market research, selling, and public relations. Students participate in hands-on projects, gain insight from guest speakers and get a chance to show their creative side. See for yourself why students have called Introduction to Marketing the "most important, practical class I've ever had". The student will also be required to participate in the marketing experience by working in the marketing lab/school store daily operations. DECA membership is optional. Students enrolled in Introduction to Marketing are encouraged to enroll in Sports & Entertainment Marketing and/or Hospitality & Tourism Marketing. Sports & Entertainment Marketing and/or Hospitality & Tourism Marketing is required as a prerequisite for Advanced Marketing.

## KEYBOARDING

**Course:** 114251/214251  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 9-12  
**Fee:** None  
**Prereq:** None  
**Credit:** Dual Credit-See pg. 6.

Keyboarding is more essential than ever. Learn how to get twice as much done in half the time! This course presents applications EVERY student will be expected to know for college, work, and upcoming state assessments. Proper formatting for letters, reports, and tables is provided.



NTC Equivalent Class:  
 Keyboarding II #10-106-129 (1 credit)  
 Department: Business Technology

## MANAGEMENT AND ENTREPRENEURSHIP

**Course:** 114161  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** Sophomore, Junior or Senior  
**Fee:** None

An entrepreneur is a person who attempts to earn a profit by taking the risk of operating a business enterprise. Do you want to be your own boss? If you answered yes, then this class is a must and will help you understand what it is like to be an entrepreneur and what is involved in starting, and running, a business. Business is a part of everyone's daily life – as consumers, employees and owners. In this course, students will explore the environment, human side and functional approach to business. Students will explore the world of business ownership and the important characteristics of an entrepreneur's work ethic. Students will have the opportunity to work in the West-Side Connection, the Wausau West Gold-Level recognized School Based Enterprise.

## MARKETING INTERNSHIP

**Course:** 114311/214311  
**Credit:** 2.0/Year  
**Offered:** Year  
**Year Taken:** 12  
**Prereq:** Intro to Marketing and Sports & Entertainment or Hospitality & Tourism Marketing, Senior and consent of Instructor.  
**Fee:** None

The Marketing Internship is an opportunity for students to earn credits, earn money, and gain valuable work experience, all at the same time. Students are released from school in the afternoon to report to their workstations. Marketing Internship is for students who are concurrently enrolled in the Advanced Marketing course. These students are seriously pursuing a career in the field of marketing or business and wish to gain some practical experience in marketing related local business. The student will be required to maintain employment records, adhere to school policies and be an active and interested employee. Many classroom activities and assignments are based upon the "on the job" experiences. Graduates of this course have gone on to successful career opportunities with their high school placements. Students who are enrolled in Marketing Internship complete the Cooperative Education Skills Standards Certificate Program and are issued a state-endorsed certificate from the State Superintendent of Public Instruction. This certificate is a representative statement of the skills obtained through the Marketing Internship learning experience. This certificate is also endorsed by supporting industry and education organizations thus enhancing a student's future workplace portfolio.

**MICROSOFT OFFICE**

**Course:** 114231/214231  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None  
**Credit:** Dual Credit-See pg. 6.

A must computer class for ALL students! Microsoft Office proficiency is one of the top five most commonly required skills posted in on-line job descriptions. Word, Excel, and PowerPoint are major areas of instruction. Business and Industry leaders stress the need for these skills for their current and future employees. Students may earn industry certifications in each of the three areas covered as well as dual credit.



NTC Equivalent Classes:  
 PowerPoint Level 1 #10-103-241 (1 credit)  
 Excel Level 1 #10-103-242 (1 credit)  
 Word Level 1 #10-103-243 (1 credit)  
 Department: Business Technology

**PERSONAL FINANCIAL MANAGEMENT**

**Course:** 114241/214241  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

Financial Management is the one thing that each and every student must learn about as they prepare to enter into adulthood to make wise money decisions. With average credit card debt exceeding \$6,000 per card holder and average student loan debt close to \$38,000, building financial management skills is critical. Topics covered will include: career/salary exploration, banking, budgeting, investing, credit, insurance, taxes, among other topics. Learn real world skills to help you achieve life goals.

**Course meets Financial Literacy requirements as set forth by Wausau School District.**

**PERSONAL FINANCIAL MANAGEMENT CORE**

**Course:** 114511  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** Consent of Counseling, Business and/or Special Education Department.  
**Fee:** None

This course is designed to help students develop their ability to make personal financial decisions, become wise earners, spenders, and savers and develop relevant "Money Skills." The financial choices that students face today have expanded well beyond what their parents or grandparents dealt with as teens and young adults. With average credit card debt exceeding \$6,000 per card holder and average student loan debt close to \$38,000, building money skills is critical. Topics covered will be: cash, credit, saving, investing, avoiding debt, budgeting, insurance, identity theft, taxes, car and home ownership and renting, among other topics. Learn real world skills to help you achieve life goals.

**Course meets Financial Literacy requirements as set forth by Wausau School District.**

**RECORDKEEPING I**

**Course:** 114321/214321  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** Sophomore, Junior or Senior  
**Fee:** None

Students will find this course interesting and practical as they learn recordkeeping skills for personal and entry-level employment. Areas covered are checks, bank statements, salesclerk records, purchase records, budgeting, credit cards, loans, interest, payroll records, and recording activities for a small business. This course is intended for students that may have difficulty with Accounting I.

## SPORTS & ENTERTAINMENT MARKETING

**Course:** 214291

**Credit:** .5/Sem.

**Offered:** Semester II

**Year Taken:** 9-12

**Prereq:** Intro to Marketing

**Fee:** None

This course is designed to provide the student with the skills necessary to apply marketing concepts to the sports and entertainment industries. Students will explore the connection between marketing and the sports and entertainment industries, focusing on promotion and sales. The areas of study include event promotion, sponsorship, development and sales, event management, and the basic functions of marketing as they apply to the sport and entertainment industries. If you are interested in sports and entertainment or want to tap into your creative side, this is the class for you! DECA membership is optional.

## TODAY'S TECH TRENDS

**Course:** 114271/214271

**Credit:** .5/Sem.

**Offered:** Semester I or II

**Year Taken:** 9-12

**Prereq:** None

**Fee:** None

Get a jump on technology. The course content will change as fast as technology does. Topic areas may include but are not limited to Video Editing (Animoto, WeVideo, and more), computer hardware, Social Media (Instagram, LinkedIn, TikTok), YouTube, Google sites, Artificial Intelligence, Coding, Pod Casting and Digital Citizenship. Learn about the latest technologies and take projects for your other classes to the next level.

## TODAY'S TECH TRENDS CORE

**Course:** 214581

**Credit:** .5/Sem.

**Offered:** Semester II

**Year Taken:** 9-12

**Prereq:** Consent of  
Counseling, Business and/or  
Special Education Department.

**Fee:** None

This course will focus on technology at a basic level. Topics may include WeVideo, Google Docs, social media sites, discussion boards, and Digital Citizenship and Microsoft programs.

All marketing students have the opportunity and are encouraged to join DECA (an Association of Marketing Students) to enhance the co-curricular education of students with interests in marketing, management, and entrepreneurship. DECA helps students develop skills and competence for marketing careers, build self-esteem, experience leadership, and practice community involvement. Students will have the opportunity to participate in district, state, and national levels.

Students enrolled in Intro to Marketing, Sports & Entertainment Mktg, Hosp & Tourism Mktg and Advanced Marketing will be involved in the operation of the School Store/marketing lab, the West Side Connection. Students will oversee all aspects of a school store including management, merchandising, apparel design, and overall operations.

## YOUTH APPRENTICESHIP PROGRAMS

For more information about Youth Apprenticeship Programs see page 9.

### AGRICULTURE, FOOD & NATURAL RESOURCES APPRENTICESHIP (AFNR)

**Course: AG I WS**

110131/210131

**Course: AG II WS:**

110141/210141

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One or Two Year Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Required:** Students need to have taken at least **two semesters of Agriscience Classes.**

The Agriculture, Food & Natural Resources Apprenticeship Program is designed to provide students with the technical skills and paid work-based training and knowledge to obtain advanced standing in any technical college or university system related to an agriculture or agri-business study of interest. The student will develop skills in Vet Science and Horticulture, Agriculture Mechanics, Crop Production or Dairy and Livestock Production, Agri-business, Animal Competencies or Plant and Soil competencies.

**See Ms. Michelle Heeg in the Agriscience Department (Rm. 170) or Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

### ARCHITECTURE AND CONSTRUCTION APPRENTICESHIP

**Course: Construction I WS** 124351/224351

**Course: Construction II WS:** 124361/224361

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One or Two Year Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Required:** PLTW classes or Building Trades at minimum

The Architecture and Construction apprenticeship is designed to provide students with basic skills pertinent to the construction industry. OSHA 10 and first-aid training are also required components during this apprenticeship. The fundamentals included in this pathway are carpentry, electricity, masonry/concrete, mechanical/HVAC, plumbing, and architectural drafting.

**See Mr. Theran Peterson in the Technology and Engineering Education Department (Rm. 150) or Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

### ARTS, A/V TECHNOLOGY AND COMMUNICATION APPRENTICESHIP

**Course: Graphics/Printing I WS:** 114381/214381

**Course: Graphics/Printing II WS:** 114391/214391

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One or Two Year Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Required:** Graphic Communication I, II and III

The Arts, A/V Technology and Communication Apprenticeship follow on the career pathway of graphic design and printing. This apprenticeship is designed to provide students with the technical skills and on-site, work-based training for entry-level employment in the printing industry.

**See Mr. Brian Brandt in the Technology and Engineering Education Department (Rm. 174) or Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**



## BUSINESS APPRENTICESHIP

**Course:** Business I, II

**WS:** 114201/214201

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One-orTwo-Year Program

**Year Taken:** 11 and/or 12

**Prereq:** Jr or Sr 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Required:** 2 semesters of related courses which include: Keyboarding, Microsoft Office, Management & Entrepreneurship

The Business Administration Apprenticeship Program supports the areas of business and human resources administration. This apprenticeship program is designed to provide students with the skills needed for both industries while working on-site through work-based learning. Administrative professionals support organizations combining organizational and people skills, using information processing and office technologies. Human resource professionals support organizational management of employee hiring, benefit administration, payroll, and general employee relations.

**See Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

## EDUCATION APPRENTICESHIP

**Course:** Education Apprenticeship I, II

**WS:** 114701/214701

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One/Two Yr Program

**Year Taken:** 11 and/or 12

**Prereq:** Child Development. 2.5 GPA, good attendance record & application and acceptance at registration time.

**Required:** 2 semesters of related courses which include: Keyboarding, Microsoft Office, Mgmt & Entrepreneurship

**Required:** Early Childhood Services or Aspiring Educators or Department approval. Must be enrolled in 2 semesters of related courses.

The Education Apprenticeship Program is designed to provide the opportunity for both early childhood and school aged experiences for entry-level industry employment. The focus on the apprenticeship is to provide students with the technical skills of building relationships with parents and staff, implementing learning activities, maintaining a safe and healthy environment, and learning valuable skills for working with children while working on-site.

**Note:** In some settings youth apprentices must meet the requirements set forth by the WI Department of Children and Families for School Age Program Assistant or School Age Group Leader.

**See Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

## FINANCE APPRENTICESHIP

**Course:** Finance I

**WS:** 114081/214081

**Course:** Finance II

**WS:** 114101/214101

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One/Two Yr Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Required:** Business course  
1<sup>st</sup> Year: Accounting 1 & 2  
2<sup>nd</sup> Year: Accounting 3, Personal Financial Management.

The Finance Youth Apprenticeship Program is designed to provide students with the technical skills and on-site, work-based training for entry-level employment. In addition, it will provide the student with basic skills and requirements needed to enter a post-secondary program in a finance-related field. The student may be exposed to the operations of a bank, credit union, or insurance industry through on-site job training. They will also work in the areas of lending, product services, and support services.

**See Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

## HEALTH SCIENCE APPRENTICESHIP

**Course: Health I**

**WS:** 114431/214431

**Course: Health II**

**WS:** 114411/214411

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One/Two Yr Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Required:** 1<sup>st</sup> Year: CNA course (NTC during the spring/summer-only if interested in becoming CNA), Medical Terminology and Young Adult Medicine

2<sup>nd</sup> Year: Biology Extended and higher-level science

The Health Science Youth Apprenticeship Program is designed to provide students with the technical skills and on-site, work-based training for entry-level employment. In addition, it will provide the student with the basic skills and requirements needed to enter a post-secondary program in a health-related field. The student may pursue becoming a Certified Nursing Assistant (CNA) and enroll in a CNA course outside of Wausau West. A CNA will become familiar with the operations of a hospital or nursing home. One-year areas include dietary, pharmacy, dental, optometry, Resident Assistant and medical office.

**See Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

## HOSPITALITY/LODGING/TOURISM APPRENTICESHIP

**Course: I WS** 114551/214551

**Course: II WS** 114601/214601

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One/Two Yr Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Required:** Intro Mktg and Hosp & Tourism Mktg or Foods I & II

The Hospitality/Lodging/Tourism Apprenticeship Program is designed to provide students with skills, knowledge, and paid work-based training in management, marketing, operations of restaurants, and other food service. Other areas include lodging, attractions, recreation events, and travel-related services. If you work, or have an interest in the food industry, there are opportunities for you!

**See Mr. Carl Hert (Rm. 134) or Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

## INFORMATION TECHNOLOGY APPRENTICESHIP (IT)

**Course: IT I WS**

114591/214591

**Course: IT II WS**

114611/214611

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One/Two Yr Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Required:** Advanced computer skills and strong interest in supporting hardware & software components in a building/business. Computer Science courses a plus.

The IT Apprenticeship Program is designed to provide students with basic skills pertinent to working with computer devices and application set up and support. The Wausau School district offers an IT Apprenticeship for students who possess strong problem solving and customer service skills. It is for a student who has expressed an interest in an IT, computer, web/Internet, computer design, and/or programming career.

**See Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

## MANUFACTURING APPRENTICESHIP

### Course: MFG WS I

124511/224511

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One or Two Year Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Required:** Machine Tool Applications or Introduction to Welding

**Recommended:** Advanced Manufacturing

The Manufacturing Apprenticeship Program is designed to provide students with the technical skills and paid work-based training and knowledge associated with production welding. The students will develop skills in the following welding processes; SMAW, GTAW, GMAW and FCAW, as well as the following cutting processes; Oxyfuel, Air Carbon, Plasma and Laser. Manufacturing students will develop skills in the following manufacturing processes: milling, turning, grinding, and sawing.

**See Mr. Nick Polak in the Technology and Engineering Education Department (Rm. 174) or Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

## MARKETING APPRENTICESHIP

### Course: MKT WS I

114341/214341

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One or Two Year Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Required:** Intro to Marketing. Students need to have at least two semesters of Marketing/Business classes.

**Recommended:** Management & Entrepreneurship and Advanced Marketing

The Marketing Youth Apprenticeship is designed to provide students with the technical skills and on-site, work-based training for entry-level employment in the marketing field. In addition, it will provide the student with basic skills and requirements needed to enter a postsecondary program in a marketing related field. Other areas may include professional selling, merchandising, marketing research, and marketing management. Students need to have instructor approval to seek out this opportunity.

**See Mr. Carl Hert (Rm. 134) or Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

## STEM APPRENTICESHIP (SCIENCE, TECHNOLOGY, ENGINEERING & MATH)

### Course: STEM I WS

124521/224521

### Course: STEM II WS:

124531/224531

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One or Two Year Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time.

**Recommended:** (1<sup>st</sup> Year) PLTW- Principles of Engineering (2<sup>nd</sup> Year), Specialty Engineering Course (PLTW-DE, CEA, CIM, CSE, EDD)

The Science, Technology, Engineering and Math (STEM) Apprenticeship is designed to provide students with the technical skills and on-site, work-based training for entry-level employment. In addition, it will provide the student with the basic skills and requirements needed to enter a post-secondary program in a STEM-related field. The student will be exposed to skills in the following areas: solid modeling, engineering design, drafting and dimensioning, design for manufacturing, lean manufacturing, and applied math and science.

**See Mr. Theran Peterson in the Technology and Engineering Education Department (Rm. 150) or Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143).**

## TRANSPORTATION, DISTRIBUTION & LOGISTICS APPENTICESHIP (TDL)

**Course: Auto I**

**WS** 124091/224091

**Course: Auto II**

**WS** 124111/224111

**Credit:** 2 credits (1<sup>st</sup> year – 1 per sem.) 2 credits (2<sup>nd</sup> year – 1 per sem.)

**Offered:** One or Two Year Program

**Year Taken:** 11 and/or 12

**Prereq:** Junior or Senior, 2.5 GPA, good attendance record & an application and acceptance at registration time. Students need to have taken the following: Transportation Power & Energy I & II.

**Required:** Occupational Mechanics I (1<sup>st</sup> year) and Occupational Mechanics II (2<sup>nd</sup> year) offered at Wausau East

The Transportation, Distribution & Logistics Apprenticeship Program is designed to provide students with the technical skills and paid work-based training and knowledge to obtain advanced standing in any technical college or university system related to an automotive field of interest. The student will continue to build on their school based knowledge on the worksite in the following ASE (Automotive Service Excellence) areas: Brakes, Engine Performance, Electrical/Electronic Systems, and Suspension & Steering.

**See Mr. Mark Poppe in the Wausau East Technology Department or Mrs. Taryn Fuller in the Business/Marketing Department (Rm. 143) at Wausau West.**

## GENERAL ELECTIVE

### PUBLICATIONS LAB (YEARBOOK AND MAGAZINE)

**Course:** 114531-2145611

**Credit:** .5/Sem.

**Offered:** Year long (or semester long with instructor consent)

**Year Taken:** 9-12

**Prereq:** Consent of Counseling, Business and/or Special Education Department.

**Fee:** None

Students will learn and use journalistic skills to develop and publish the school yearbook (Aurora) and school magazine (Warrior's Word). The student staff will generate story ideas, conduct interviews, write their own stories, design and layout pages, take photographs, and even sell advertising. Software used includes Adobe Suite (InDesign, Photoshop and Illustrator), Microsoft Office completed on Apple iMacs, and all photography is taken with advanced Nikon cameras

Opportunities are available for travel to UW Oshkosh, Marquette University, and other state or national locations for student journalism workshops and competitions.

Publications Lab is student directed. Student staff meet in the large group settings (once weekly) and small, collaborative group sessions with class time devoted to creating work for the school publications. Students work in Aurora and Warrior's Word has is continually recognized for excellence at the state and national level.

This course may be taken multiple times for credit as content and leadership positions change yearly. Returning students are given increased opportunities and responsibility to advance into editorial position on staff.

**This class is not approved by the NCOAA Eligibility Center**

## ENGLISH

All students are required to take 4 years (8 semesters) of English. Within that total, each student must have a minimum of three semesters of literature and three semesters of composition.

<b>COURSE TITLES</b>	<b>OFFERED</b>	<b>YEAR TAKEN</b>
English 9	Year	9
English 9 Foundations	Year	9
English 9 Enriched	Year	9
English 10	Year	10
English 10 Foundations	Year	10
English 10 Enriched	Year	10
<b>LITERATURE COURSES</b>		
Film as Literature	Semester II	10-12
Literature Seminar	Semester I	11-12
Novels	Semester I or II	11-12
Multi-Cultural Literature	Semester I or II	11-12
British Literature	Semester I or II	11-12
World Literature	Semester I or II	11-12
Advanced Placement Literature	Semester II	12
<b>COMPOSITION COURSES</b>		
Broadcasting-Oral Communication	Year or Sem I or II	9-12
Speech	Semester I or II	10-12
Introductory Creative Writing	Semester I or II	10-12
Composition	Semester I or II	10-12
Writing Practice	Semester I	11-12
Real World Writing	Semester II	11-12
Creative Writing	Semester II	11-12
Advanced Composition	Semester I	12

## ENGLISH 9

**Course:** 115161/215161  
**Credit:** 1.0/Year =  
 .5 Composition/.5 Literature  
**Offered:** Year  
**Year Taken:** 9  
**Prereq:** None  
**Fee:** \$15/Novel Fee

English 9 is a course designed to explore various literary genres. The course includes a study of the short story, novel, mythology, epic tale, drama, non-fiction, and research skills. Titles explored may include *The Odyssey*, *Romeo and Juliet*, and *To Kill a Mockingbird*. In addition, speaking and listening skills are emphasized. Writing units will also be incorporated in each area of study, with an emphasis on developing meaningful ways for students to respond to literature. English 9 provides a foundation for all students to develop in the language arts and be successful in high school. All course curriculum has been developed in alignment with the Common Core Standards. Teacher approval is required to enroll in this course.

## ENGLISH 9 ENRICHED

**Course:** 115131/215131  
**Credit:** 1.0/Year =  
 .5 Composition/.5 Literature  
**Offered:** Year  
**Year Taken:** 9  
**Prereq:** None  
**Fee:** \$15/Novel Fee

English 9 Enriched is a course designed to prepare the motivated Wausau West ELA freshman student for a demanding chosen curriculum pathway across the spectrum of courses offered here at Wausau West. Emphasis will be placed on teaching and fostering critical thinking and analytical skills. The curriculum will enhance instruction in traditional high school canon (*The Odyssey*, *Romeo and Juliet*, and *To Kill a Mockingbird*), with modern companion pieces in poetry, prose fiction and nonfiction designed to stimulate connection, reflection and engagement. Students will critically analyze complex literature through reading, discussion, and argumentative writing that reflects the complex relationship between text and the world around them. Formal public speaking, small group discussions, and rhetorical analysis round out the graded experiences for this course. Students taking on the challenge of English 9 Enriched should be prepared to actively participate in their educational opportunities to foster the investigative experience fostered in this course. Teacher approval is required to enroll in this course.

**ENGLISH 10**

**Course:** 115141/215141  
**Credit:** 1.0/Year =  
 .5 Composition/.5 Literature  
**Offered:** Year  
**Year Taken:** 10  
**Prereq:** English 9  
**Fee:** \$5/Novel Fee

English 10 is designed to examine historical periods throughout American Literature and prepare tenth grade students for junior/senior level course work and college readiness. The class includes a study of the short story, novel, drama, poetry, non-fiction, and oral communication skills. Expository, research-based and narrative writing units as well as literary analysis will be incorporated into the course. English 10 requires critical thinking and employs student assessments that authenticate learning through a variety of student products. English 10 includes grammar, usage sentence structure, and other language skill components. Teacher approval is required to enroll in this course.

**ENGLISH 10 ENRICHED**

**Course:** 115121/215121  
**Credit:** 1.0/Year =  
 .5 Composition/.5 Literature  
**Offered:** Year  
**Year Taken:** 10  
**Prereq:** English 9  
**Fee:** \$5/Novel Fee

English 10 Enriched is a course designed to prepare the motivated Wausau West ELA sophomore student for a demanding chosen curriculum pathway across the spectrum of courses offered here at Wausau West. The curriculum is designed to examine historical periods throughout American Literature at a high intellectual level and give tenth grade students who are gifted in English a more rigorous and challenging coursework while also preparing them for advanced junior/senior level courses and college readiness. The class includes a study of the short story, novel, drama, poetry, non-fiction, and oral communication skills. Expository, research-based and literary analysis will be incorporated into the course. English 10 Enriched requires higher level critical thinking, analysis, and questioning. Student assessments will consist of intense discussions, complex essays, and other higher level projects. English 10 Enriched will move at a faster and more rigorous pace while diving deeper and more analytically into the core texts as well as various supplemental texts. Teacher approval is required to enroll in this course.



## LITERATURE COURSES

### FILM AS LITERATURE

**Course:** 215801  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

This course is designed for students who have an interest in film analysis. Throughout the course, students will apply critical analysis to film by identifying literary, dramatic and cinematic elements. Oral and written exercises will expand students' understanding of film analysis, film review, scriptwriting, storyboarding and genre studies. Through comparison and contrast activities, students will examine a novel's elements and its adaptation to film. Course elements will emphasize reading, writing and speaking to refine students' language and writing competence.

**This class is not approved by the NCAA Eligibility Center.**

### LITERATURE SEMINAR

**Course:** 115251  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None

This course is designed to acquaint the student with a wide variety of fiction and non-fiction literature including poetry, short stories and novels. The focus will be on reading for enjoyment. It is flexible enough to accommodate the good reader as well as the average or below-average reader.

**This class is not approved by the NCAA Eligibility Center.**

### NOVELS

**Course:** 115281/215281  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None

This course is designed to introduce the student to the novel as an art form. **Graphic Novels** will be the primary focus of the coursework. Students will be expected to be involved in elements of the English Language Arts classroom including reading, writing, speaking and listening. Critical Analysis of the **Graphic Novel** will be an expectation. Potential novel titles may include *Persepolis*, *The Arrival*, *Maus* and others along with complimentary literature.

### MULTI-CULTURAL LITERATURE

**Course:** 115271/215271  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** \$2

This course is designed to explore elements of culture, race, ethnicity, gender, sexual orientation and diversity. Cultural groups studied include African Americans, Asian Americans, Native Americans, Latino Americans, and the LGBTQ+ community. Students will read contemporary poems, novels, and short stories, and writing assignments will relate to the literature studied. Because readings are contemporary, students who enjoy discussions that are relevant to their modern world will find interest in this class. This class also will provide a beneficial foundation for those students planning to attend college or take Advanced Placement Literature.



## BRITISH LITERATURE

**Course:** 115041/215041  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None

This course will trace the development of England's literature from the Anglo-Saxon Period through the 19th century, concentrating on such authors as Chaucer and Shakespeare. The main goals of the course are to develop the ability to understand, appreciate, and critically analyze the literature of our language's British heritage. Composition will be closely related to students' reading. Those who enjoy reading literature and who are planning to attend college or take Advanced Placement Literature should find this course valuable.



## WORLD LITERATURE

**Course:** 115431/215431  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None

This course will survey the literature and philosophy of many world cultures, including a study of author, time period, and literary movements. Students will read and discuss epics, poetry, prose, drama and an independent novel from around the world. An important goal of this class is to discover the enduring human values which unite the different literary traditions of all times, places, and cultures. This class will provide a beneficial foundation for those students planning to attend college or take Advancement Placement Literature.



## ADVANCED PLACEMENT LITERATURE

**Course:** 215031  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 12  
**Prereq:** None  
**Fee:** None

The Advanced Placement course in Literature Composition concentrates on fast-paced, in-depth study of great literary works. Novels, drama and poetry from various time periods and cultures will be discussed. A careful critical reading of these works, including an analysis of their literary elements and the author's techniques is a major focus of the course. Through such study, the students will sharpen their awareness of literary devices, the author's craft and cultural connections. Major attention will also be given to the writing of critical essays in the analysis and comparison of these works in regard to genre, language, style, structure, form and theme.

It is suggested that students taking this course should have completed Advanced Composition and should have taken at least one of the following two literature courses: British Literature and/or World Literature. This 2nd semester course is available to seniors only.

**Note:** Many colleges may grant up to six semester credits for successful completion of the Advanced Placement Literature and Composition Test administered by the College Board in May each year.

## COMPOSITION COURSES

### BROADCASTING – ORAL COMMUNICATION

**Course:** 115461/215461  
**Credit:** .5/Sem.  
**Offered:** Sem. I or II, or Year  
 \*Course can be taken multiple years with instructor consent.  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

This course explores the utilization of oral and written communication as it applies to potential career fields such as news casting, journalism, social media and public service announcement. Coursework will include broadcasts that entail transitions, animation, graphics, news, audio and video technology. Individuals interested in improving their speaking and writing abilities and/or curious about media production might consider this course.

### SPEECH

**Course:** 115381/215381  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

This course is designed to give students knowledge and experience in various types of oral communication. The activities included are impromptu, group discussion, and the informative and demonstration speech. Outlining, organization, research and presentation skills will also be stressed.

### INTRODUCTORY CREATIVE WRITING

**Course:** 115291/215291  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

Introductory Creative Writing serves as an introduction to some of the major concepts of fiction writing. Students will compose major papers over the course of the semester, as well as complete daily assignments related to improving the planning and organizing of a piece of writing. Writing instruction and technical skills such as verb tense paragraphing, dialogue and punctuation will take place within each unit. Class forums will be set up so that students may use their time to learn and plan the major writing assignments, or to conference with the teacher.

### COMPOSITION

**Course:** 115231/215231  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** \$2

Composition is a non-fiction, academic writing course based on experience, opinion, and information. Student writing ranges from informal reflective writing (personal thoughts and feelings) to more formal academic papers and essays. Essay assignments may include, but are not limited to, opinion, definition/illustration, analysis, research, comparison/contrast and argumentative writing. Attention will be given to sentence structure, paragraph development, grammar, vocabulary, and spelling.

**WRITING PRACTICE**

**Course:** 115181  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None

This class meets the composition requirement for graduation. Expository writing skills will be developed with the goal of becoming a stronger communicator in the 21<sup>st</sup> Century. Sentence Structure, Thesis Development, Fluency, Paragraph Organization, Validating Sources and Grammar, Punctuation and Spelling will lead to development of quality 5 paragraph essay writing. Informative and Persuasive papers will be the expected assignments for this class.

**This class is not approved by the NCAA Eligibility Center.**

**REAL WORLD WRITING**

**Course:** 215441  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None

Real World Writing is a course that emphasizes expository composition skills. It reviews and strengthens the writing process, assists students in creating writing samples in sequential levels of difficulty, helps students to recognize the foundation of good composition and develops students' confidence in their own writing abilities.

**This class is not approved by the NCAA Eligibility Center.**

**CREATIVE WRITING**

**Course:** 215061  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 11-12  
**Prereq:** "A/B" grade in Sophomore level writing course or instructor's approval.  
**Fee:** \$2

This advanced course is designed for juniors and seniors seriously interested in writing. Like Introductory Creative Writing, it emphasizes creative rather than research skills. However, Creative Writing is less structured. Generally, students are free to develop what they do best; at times, all class members are required to do the same assignment. Emphasis is given to the importance of an audience. Therefore, students will be involved in sharing, reading, and offering constructive criticism. Students will conference with instructor for individualized instruction throughout the semester.

**ADVANCED COMPOSITION**

**Course:** 115001  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 12  
**Prereq:** None  
**Fee:** None

This college prep writing course will focus on argumentative composition above and beyond the 5 paragraph essay. Students will expand their writing repertoire by completing investigative, problem-solution, oppositional viewpoint and critical analysis essays. Follow-up seminar presentations will highlight argumentative efforts explored in the class. Author's attention to organization, style, voice, word choice and conventions are stressed throughout. The course demands a high level of rigor that one would expect from a college prep course including AP writing experiences for all disciplines.

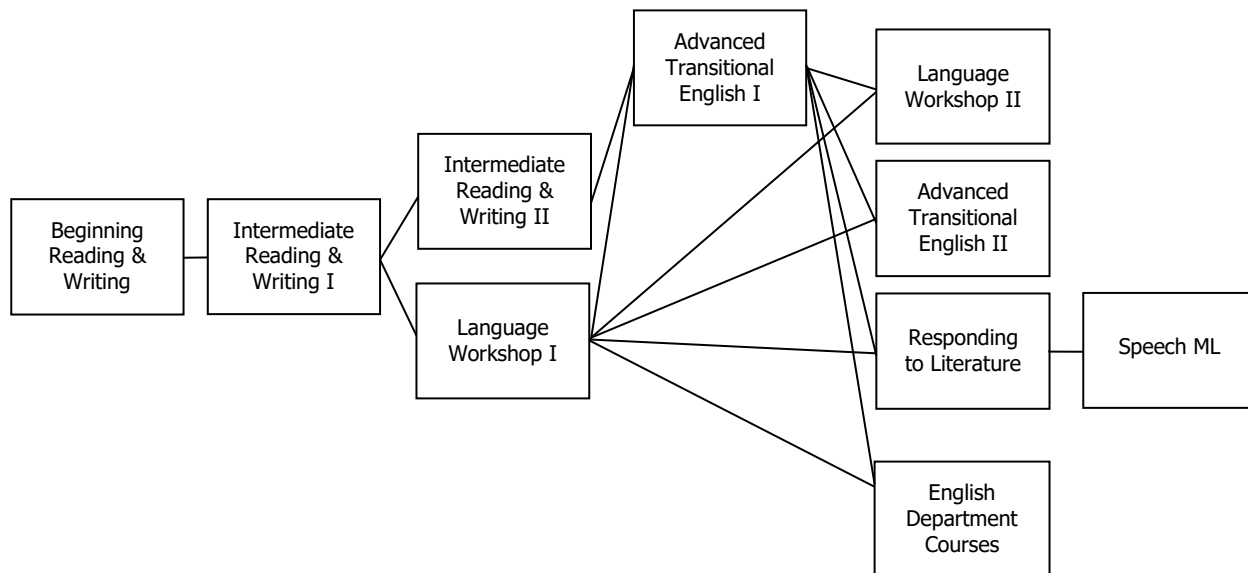
# MULTILINGUAL LEARNER

We believe in the right to a free and equal education in practice as well as in theory. We believe in the right to have one's feelings of self-worth not measured by the quality and/or quantity of one's proficiency in English. We believe in the right to mutual cultural acceptance for being linguistically and culturally different but equal.

Course Title	Offered	Year Taken
Beginning Reading & Writing	Year	9-12
Intermediate Reading and Writing I	Year	9-12
Intermediate Reading and Writing II	Year	9-12
Advanced Transitional English	Year	9-12
Advanced Transitional English II	Year	10-12
Speech – ML	Semester II	10-12
Study Skills - ML	Year	9-12
Language Workshop I	Sem. or Year	9-12
Language Workshop II	Semester II	9-12
Responding to Literature	Semester I	10-12
Integrated Science 9 Collab	Year	9-12
Integrated Science 10 Collab	Year	10-12
ML Government	Year	9-12
ML Monitoring	Sem. or Year	9-12
ML English 9 Resource	Year	9
ML Science 9 Resource	Year	9
ML English 10 Resource	Year	10
ML Science 10 Resource	Year	10

Multilingual Learners register for English courses based on their English proficiency level and acquisition of academic language. ML students are encouraged to take one full credit of English each semester in order to accelerate English acquisition. At the high school level, a student can remain in ML classes for up to four years as it can take as many as 7-10 years to become English proficient.

## ML Course Offering Flow Chart



**BEGINNING READING & WRITING**

**Course:** 116491/216491  
**Credit:** 2.0/Year (.5 Lit/.5 Comp/1.0 Elective)  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Teacher Recommendation  
**Fee:** None

This course is specifically designed for non-native English speakers who are newcomers to the country. The emphasis of this course is to develop student writing skills by focusing on sentence structure, paragraph structure, transitions, and grammar through the writing process. The reading component addresses individual needs through high-interest literature and explicit instruction in reading, writing, and vocabulary development. This course will require an additional 10-15 mods of instruction to be assigned by the teacher depending on student needs.

**INTERMEDIATE READING & WRITING I**

**Course:** 116501/216501  
**Credit:** .5/Sem. or 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Teacher Recommendation  
**Fee:** None

This course is designed for non-native English speakers who are developing a basic understanding of written English at an EP level of 2 or 3. Students will be writing a variety of expository essays with a focus on sentence structure, paragraph structure, transitions, vocabulary development and grammar. Individual needs are addressed through high-interest literature and explicit instruction in reading, writing and vocabulary development.

**INTERMEDIATE READING & WRITING II**

**Course:** 116511/216511  
**Credit:** .5/Sem. or 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Teacher Recommendation  
**Fee:** None

The second level of this course is designed for non-native English speakers who are developing their written English skills at an EP level of 3 or 4. Students will continue to write a variety of expository essays with a focus on sentence structure, paragraph structure, transitions, vocabulary development and grammar. Individual needs are addressed through high-interest literature and explicit instruction in reading, writing and vocabulary development.

**ADVANCED TRANSITIONAL ENGLISH**

**Course:** 116101/216101  
**Credit:** .5/Sem. or 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Teacher Recommendation  
**Fee:** None

This course is designed for students with an English proficiency of 4 who, with additional ML support and modification, would be successful in mainstreamed English classes. This course combines the study of literature, writing, and speaking through integrated thematic units covering short stories, the novel and drama. Students will be taught the writing process with an emphasis on planning and organization. All units will include a language study.

**ADVANCED TRANSITIONAL ENGLISH II**

**Course:** 116111/216111  
**Credit:** .5/Sem. or 1.0/Year  
**Offered:** Year  
**Year Taken:** 10-12  
**Prereq:** Teacher Recommendation or Advanced Transitional English.  
**Fee:** None

The second level of this course is designed for students with an English proficiency of 4 who, with additional ML support and modification, would be successful in mainstreamed English classes. This course combines the study of literature, writing, and speaking through integrated thematic units covering short stories, the novel and drama. Students will be taught the writing process with an emphasis on planning and organization. All units will include a language study.

## SPEECH – ML

**Course:** 215541  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** Teacher Recommendation or Advanced Transitional English.  
**Fee:** None

This course is designed to give non-native English speakers the experience to acquire formal speaking skills. Students will learn to outline, develop organizational skills, and study the various types of oral communications. Activities may include oral interpretation, group discussion and the informative and demonstration speech.

## STUDY SKILLS – ML

**Course:** 116561/216561  
**Credit:** .25/Sem.  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

This course is designed for ML students in 9<sup>th</sup> – 12<sup>th</sup> grade who would benefit from extra support in their content area classes. This course aims to assist students in reading comprehension and assignment support revolving around their course selections. It meets for 6 mods per week and is Pass or Fail.

## LANGUAGE WORKSHOP I

**Course:** 116081/216081  
**Credit:** 1.0/Sem. or 2.0/Year  
**Offered:** Sem. or Year  
**Year Taken:** 9-12  
**Prereq:** Teacher Recommendation  
**Fee:** None

This course is designed to prepare students with literacy expertise. A variety of literature and literary response is taught. The course teaches writing forms such as narrative, comparison/contrast, expository and persuasive essays. The course is appropriate for students who have a Lexile between 600-750 and an EP of 2 or 3.

## LANGUAGE WORKSHOP II

**Course:** 216091  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 9-12  
**Prereq:** Teacher Recommendation  
**Fee:** None

This course is designed for students with an English proficiency of 4 who, with additional ML support and modification, would be successful in mainstreamed classes. Emphasis will focus on the writing process and responding to literature. Composition class.

## RESPONDING TO LITERATURE

**Course:** 116551  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** Sophomore, Junior or Senior  
**Fee:** None

The course is designed to provide second language learners with fundamentals for advancement in college-bound literature courses. Students will be required to read, respond to, and write about literature. The class will help improve ML students' sentence phrasing, paragraphing, and essay construction in relationship to literature.

**INTEGRATED SCIENCE 9 COLLAB** (Taught by Science Department)

**Course:** 122251/222251  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Teacher Recommendation  
**Lab Fee:** \$5/Sem.

This is a one-year course for ML students. It is an integrated science approach to developing basic skills, knowledge and appreciation of science. The themes studied involve the natural phenomena that affect an individual on a day-to-day basis. Most of the instruction is laboratory based and includes investigations from all five basic disciplines of science (biology, chemistry, earth science, environmental science and physics). Scientific skills, problem solving, and critical thinking skills are highly emphasized. This course builds a strong foundation for students as they prepare to move through upper-level science classes in the future.

**INTEGRATED SCIENCE 10 COLLAB** (Taught by Science Department)

**Course:** 122271/222271  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 10-12  
**Prereq:** Science 9 Collab  
**Lab Fee:** \$5/Sem.

This is a one-year course for ML students. It is an integrated science approach to developing advanced skills, critical thinking knowledge and appreciation of science. The theme is directed toward those concerns that our culture must face at the present time and in the future. Most of the instruction is laboratory based and includes investigations from all four basic disciplines of science (Biology, Chemistry, Earth Science & Physics). The nature of the scientific endeavor and the relationship of science and technology to society are emphasized. Language and key concepts are reinforced.

**ML GOVERNMENT**

**Course:** 123081/223081  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

ML Government is a year-long course open to grades 9 – 12. What is government? How do communities, states, and countries keep in order? How do things get done? How do decisions get made? These are just some of the questions we will look at in ML Government.

**ML MONITORING**

**Course:** 116566/216566  
**Credit:** None  
**Offered:** Sem. or Year  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

This resource is designed for students in grades 9-12 that would benefit from a small amount of support. The student meets with an educator in the ML Resource center to discuss and get help with missing assignments and coursework.

**ML ENGLISH 9 RESOURCE**

**Course:** 116571/216571  
**Credit:** .5/Sem.  
**Offered:** Year  
**Year Taken:** 9  
**Prereq:** Teacher Recommendation  
**Fee:** None

This course is specifically designed for ML students who would benefit from extra support in English 9. This course aims to assist students in successful completion of the course and prepare them for English 10. Class will meet for 6 mods per week and is graded Pass or Fail.



**ML SCIENCE 9 RESOURCE**

**Course:** 116581/216581  
**Credit:** .5/Sem.  
**Offered:** Year  
**Year Taken:** 9  
**Prereq:** Teacher  
Recommendation  
**Fee:** None

This course is specifically designed for ML students who would benefit from extra support in Science 9. This course aims to assist students in successful completion of the course and prepare them for Science 10. Class will meet for 6 mods per week and is graded Pass or Fail.

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**ML ENGLISH 10 RESOURCE**

**Course:** 116591/216591  
**Credit:** .5/Sem.  
**Offered:** Year  
**Year Taken:** 10  
**Prereq:** Teacher  
Recommendation  
**Fee:** None

This course is specifically designed for ML students who would benefit from extra support in English 10. This course aims to assist students in successful completion of the course and prepare them for their future English electives. Class will meet for 6 mods per week and is graded Pass or Fail.

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**ML SCIENCE 10 RESOURCE**








**Course:** 116611/216611  
**Credit:** .25/Sem.  
**Offered:** Year  
**Year Taken:** 10  
**Prereq:** Teacher  
Recommendation  
**Fee:** None

This course is specifically designed for ML students who would benefit from extra support in Science 10. This course aims to assist students in successful completion of the course and prepare them for their future Science electives. Class will meet for 6 mods per week and is graded Pass or Fail.

## FAMILY AND CONSUMER SCIENCE

### WHAT PLANS ARE YOU MAKING FOR THE REST OF YOUR LIFE?

Family and Consumer Education can provide you with the opportunity to learn life-long skills in your personal and work life. Improve your skills in personal finance, relationships, parenting, healthy eating, furnishing, and designing a living environment or consumerism. In addition, you get a head start on your career. Get a jump on life! Sign up today!

Course Titles	Offered	Year Taken	
Foods and Nutrition I	Semester I or II	9-12	 <b>Agriculture, Food &amp; Natural Resources</b>
Foods and Nutrition II	Semester I or II	9-12	
Foods and Nutrition III	Semester I or II	10-12	 <b>Arts, A/V Technology &amp; Communications</b>
Food Science	Semester II	10-12	
Life Skills Core	Semester II	9-12	 <b>Education &amp; Training</b>
Family Relations	Semester I	10-12	
Fashion and Interior Design	Semester I	9-12	 <b>Finance</b>
Child Development	Semester I or II	9-12	
Early Childhood Services	Semester I or II	11-12	 <b>Health Science</b>
Aspiring Educators and Internship	Year	12	
Health Occupations I	Semester I	10-12	 <b>Hospitality &amp; Tourism</b>
Health Occupations II	Semester II	10-12	
Money Matters	Semester II	10-12	 <b>Human Services</b>



NTC or Nicolet Logo = Dual Credit Possible. See page 6 and/or the Family and Consumer Science Department Leader for further information.

## FOODS AND NUTRITION I

**Course:** 117111/217111  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** \$25

Academic skills are put to practical use in Foods and Nutrition I. Observe the results of accuracy in measurements. Learn culinary skills and techniques for proper preparation and cooking. Topics include nutrition and its relationship to good health, serving sizes, portion distortion, label reading, consumerism and the history of food, to name a few. Food preparation is related to each topic of study.

## FOODS AND NUTRITION II

**Course:** 117121/217121  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 9-12  
**Prereq:** Foods and Nutrition I  
**Fee:** \$25  
**Credit:** Dual Credit-See pg. 6.

This course is for students passionate about food and their nutrition. The focus of the course will be on the six major nutrients and how each is used by the body. The planning of well-balanced diets and nutritional analysis of diets will be emphasized. You will have the opportunity to practice and apply skills learned in cooking methods, baking, sanitation and nutrition. Students will also acquire skills to create dishes that are visually appealing and full of flavor.



NTC Equivalent Course:  
 Nutrition #10-316-107 (2 credits)  
 Department: Culinary Arts

## FOODS AND NUTRITION III

**Course:** 117171/217171  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** Foods I and Foods II or instructor approval.  
**Fee:** \$25  
**Credit:** Dual Credit through Nicolet College-See pg. 6.

This course allows students the opportunity to develop culinary skills as they explore food service techniques. Students will understand the application of math procedures used by preparation, service and management personnel in food service operations. Careers in food service, hospitality and the culinary industry will be examined. Students will learn basic operations of food quality and service as they implement a restaurant through a food service project. Classroom instruction and lab based activities will provide a more in depth understanding of cooking principles, technologies, food science, culinary elements and artistic presentation. Food Service Certification from the State of Wisconsin can be obtained in this course to students who meet the established criteria. College credit may be earned.



Nicolet College Equivalent Course:  
 Culinary Math #10-316-115 (2 credits)  
 Department: Culinary Arts

## FOOD SCIENCE

**Course:** 217131  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** Foods and Nutrition I  
**Fee:** \$20

EAT YOUR SCIENCE! This course studies the production, process, preparation, and evaluation of food. Students in this course will have an opportunity to explore the field of food science and discover related careers. The role of food science in food supplies, preserving the environment, contributing to knowledge of nutrition and food safety, and advances in technology are some topics to be studied. Students will actively participate in experiments related to the fundamentals of chemistry and nutrition. This course will assist students in making science relevant to the "real" world.

**Note:** Course can fulfill 0.5 credit toward high school graduation requirements as a non-lab science. This course will not count as a lab science for college admission.

## LIFE SKILLS CORE

**Course:** 217221  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 9-12  
**Prereq:** Consent of Counseling and/or Special Education Department.  
**Fee:** \$25

LIFE – Learning Incredible Skills for Everything!

The focus of this course is to learn independence in the kitchen along with gaining skills in independent living. The class will involve cooking labs where students will be responsible for planning, preparing and cleaning up kitchen materials.

Daily living skills will also be incorporated into classroom instruction. Possible units include laundry, basic housekeeping, child care skills, nutrition and budgeting.

Positive and appropriate communication skills will be stressed throughout the semester. Students will learn how to use I-messages to communicate effectively for what they need.

Upon successful completion of this course students may choose to take Foods and Nutrition I and/or Child Development with teacher approval.

## FAMILY RELATIONS

**Course:** 117081  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** \$6

People frequently tolerate situations, which could be changed and/or improved with some skill in the art of relating to others. Family Relations guides students to think critically about and deal with life situations such as maintaining a positive self-image, strengthening family relationships, dating, marriage, and managing one's life with insight. Another component focuses on careers relating to these topics and working with individuals and families. Other topics include crises such as divorce, drug/alcoholism, aging and death. Emphasis is placed on discussions and the sharing of ideas through cooperative learning activities.

## FASHION AND INTERIOR DESIGN

**Course:** 117091  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** \$15

This course will cover three components: fashions, sewing and interior design. Students will focus on the history of fashion and fashion trends of today. The elements and principles of design carry over into fashion sketching and a fashion show. Students will learn about the different types of sewing tools and equipment. Students will have the opportunity to use the sewing machines and create sewing projects. Interior design has a focus on color, types of housing, selecting different textiles and furniture, and designing your own space.

## CHILD DEVELOPMENT

**Course:** 117031/217031  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** \$10  
**Credit:** Dual Credit-See pg. 6.

Child Development is one of the most fascinating areas of study. Who can resist a smiling baby, a stumbling toddler, or a curious child? To gain insight into the world of these children, join the Child Development class to study the areas of planning for children, prenatal care, birth, and the emotional, social, physical, and intellectual development of the child from conception to age 12. College credit may be earned.



NTC Equivalent Course:  
 ECE: Childhood Development #10-307-179 (3 credits)  
 Department: Early Childhood Education

## EARLY CHILDHOOD SERVICES

**Course:** 117051/217051  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 11-12  
**Prereq:** Child Development, or instructor approval; Junior or Senior  
**Fee:** \$10  
**Credit:** Dual Credit-See pg. 6.

This course is designed for students with an interest in working with children. The course includes classroom instruction in personal and professional care for the developing child. An extended laboratory experience will allow students to practice techniques and concepts learned in the classroom. The skills developed in this course will be useful in teaching, child care, counseling and health related careers. State of Wisconsin certification as an Assistant Child Care Teacher is attainable. Students must be 17 upon completion of the course to obtain state certification. College credit may be earned.



NTC Equivalent Course:  
 ECE: Foundations of Early Childhood #10-307-148 (3 credits)  
 Department: Early Childhood Education

**ASPIRING EDUCATORS AND INTERNSHIP (classroom and worksite)**

**Course:** 117151/217151  
**WS:** 117161/217161  
**Credit:** 1.0/Year Classroom  
**Credit:** 1.0/Year Work  
 Experience/Internship  
**Offered:** Year  
**Year Taken:** 12  
**Prereq:** None. Register for both classroom and work experience.  
**Fee:** \$10  
**Credit:** Dual Credit-See pg. 6.

This 2-part course embraces partnership between education and business. It integrates school-based and work-based learning opportunities. In addition to earning high school credit for the course and the internship, students can also earn the Wisconsin School-to-Work Child Services Cooperative Skills Certification. The Aspiring Educators internship opportunity requires students to obtain work experience at an approved childcare or elementary tutoring site. Through this workplace experience, students obtain real life work experiences where the classroom curriculum and instructional practices are utilized in community work sites. Mentoring and teacher assessment are integrated into the worksite experience. This course is ideal for those students interested in pursuing a career in education, counseling or child care.

**Note:** This course can be taken with or without the internship.



NTC Equivalent Course:  
 ECE: Foundations of Teacher Education #10-307-148 (3 credits)  
 Department: Early Childhood Education

**HEALTH OCCUPATIONS I**

**Course:** 117181  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None  
**Credit:** Dual Credit-See pg. 6

This course will provide students with an overview of the health care system and health careers. Students will learn about the job responsibilities, personal traits, attitudes, education and licensure of individuals working in the health career field. They will have the opportunity to job shadow health care professionals and will become acquainted with a variety of trends and issues in today's health care environment. Students will also develop a personal career plan by evaluating their personal characteristics and comparing those to traits and attitudes required for health care workers.



NTC Equivalent Course:  
 ECE: Introduction to Health Careers #10-501-190 (1 credit)  
 Department: Health Sciences

## HEALTH OCCUPATIONS II

**Course:** 217181  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** Health Occupations I  
**Fee:** None

This course will provide students with specific knowledge of the health care system. Students will learn about the history and foundation of health care as well as examining trends and changes which have taken place. They will have the opportunity to study a variety of health care issues and discover various methods and treatments available to those in need of health care. Students will examine common practices utilized for patient safety and confidentiality. Leadership and positive interpersonal skills will be emphasized as students extend their knowledge of providing and practicing the necessary skills of a successful health care worker. Students will further examine concepts which will also encourage their overall health and wellness as they provide care for others.

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## MONEY MATTERS

**Course:** 217211  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** \$5

Teenagers are major money spenders. You are working hard to earn money, but why does it feel like you are always broke? Money Matters will help figure out how to keep some money in your pocket, yet still be able to buy what you need. This class will focus on the lifelong topics of career choice, budgeting, banking, credit cards, identity theft, consumerism, transportation, food comparisons, clothing, housing and insurance. You will learn best options to purchasing new or used vehicles, how to get credit, how to meet insurance needs, and do wise shopping. This course is for anyone who doesn't want his or her "hard earned money" taken advantage of.

**Course meets Financial Literacy requirements as set forth by Wausau School District.**

## GLOBAL LANGUAGE

*“The world in which our students will live and work is not an English-speaking world.”*

~Gilles Bousquet, Associate Chair-French and Italian Department, UW-Madison

Did you know that studying a **global language** can **enhance your opportunities** in just about **any college or career**?

- Compete for future jobs with students from all over the world
- Score higher on SAT and ACT exams
- Earn college credit

Corporations in Wisconsin and across the United States conduct business in every corner of the globe. Where better to foster global awareness and cultural understanding than the global language classroom?

## Advanced Placement – Retroactive Credit

College credit may be earned while studying a global language in high school. Many colleges and universities grant as many as 16 credits to students who have studied a high school global language. Schools will most likely require the student to successfully complete a placement examination and/or a follow-up course in the language at that college or university before the credits will be granted.

Global language students may, at their own expense and with teacher approval, participate in a high school program allowing them to travel to a country where the native language is spoken.

Course Titles	Offered	Year Taken	
French I	Year	9-12	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Business Management &amp; Administration</b>
French II	Year	9-12	
French III	Year	10-12	
French IV	Year	11-12	
AP French	Year	12	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Government &amp; Public Administration</b>
German I	Year	9-12	
German II	Year	9-12	
German III	Year	10-12	
German IV	Year	11-12	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Hospitality &amp; Tourism</b>
AP German	Year	12	
Spanish I	Year	9-12	
Spanish II	Year	9-12	
Spanish III	Year	10-12	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Science, Technology, Engineering &amp; Mathematics</b>
Spanish IV	Year	11-12	
AP Spanish	Year	12	



## FRENCH I

**Course:** 118001/218001

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 9-12

**Prereq:** None

**Fee:** None

Through the situations of making friends, school, sports and hobbies, cafes, going out, and family, students will begin to develop the skills of listening, speaking, reading and writing French. In this year-long course, they will create projects, make crêpes, and play games.

**Note:** French I *may* be offered as a hybrid course of in-person and/or online instruction if enrollments are low.

## FRENCH II

**Course:** 118011/218011

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 9-12

**Prereq:** French I and consent of the Instructor.

**Fee:** None

French meals, asking and giving directions, planning a trip and recounting past experiences are themes through which second year students will continue to develop their language skills. They will watch movies, create projects, read short stories, and other activities related to French speaking countries. The lab section of class will focus on developing their French ear. By using authentic online activities students will improve their listening, reading, writing and speaking skills.

## FRENCH III

**Course:** 118021/218021

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 10-12

**Prereq:** French II and consent of the Instructor.

**Fee:** None

In French III, students will advance their language proficiency by listening to native French speaking people, reading short stories, researching French speaking countries, and doing student presentations. Units will include learning new vocabulary and important grammar concepts. Students will view and study 2-3 French films. The lab section of class will focus on developing their French ear. By using authentic online activities students will improve their listening, reading, writing and speaking skills.

## FRENCH IV

**Course:** 118031/218031

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 11-12

**Prereq:** French III and consent of the Instructor.

**Fee:** None

In this level class students will study current events, film, art, music, foods from various countries, and literature from various French authors. Students will view and study 2-3 French films. The lab section of class will focus on developing their French ear. By using authentic online activities students will improve their listening, reading, writing and speaking skills.

**AP FRENCH**

**Course:** 118041/218041  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 12  
**Prereq:** French IV and/or consent of the instructor.  
**Fee:** None  
**Credit:** Dual Credit-See pg. 6.

This advanced level class will prepare students to take the AP exam, and/or receive college credit from the University of Wisconsin Green Bay. This course will increase their proficiency in reading-by-reading short stories, in listening by watching French films and practicing dictations; in speaking by discussing current events, doing short presentations; and in writing by writing compositions and letters. The lab section of class will focus on developing their French ear. By using authentic online activities students will improve their listening, reading, writing and speaking skills.



UWGB Equivalent Class:  
 Intermediate French Language II #French 202 (3 credits)  
 Department: Modern Language

**Note:** Students can skip placement exam and students earning a B or better also earn 11 retroactive credits for a total of 14 credits on their UWGB transcript.

**GERMAN I**

**Course:** 118071/218071  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

German is a great language and can help in many careers. In German I you will learn to communicate about the theme of "Mein Leben" (My Life). You will learn to talk about home, family, culture and free-time, as well as school and likes and dislikes. You will do a wide range of activities, including partner, small group and online activities and dialogues, skits and videos.

**Note:** German I may be offered as a hybrid course of in-person and/or online instruction if enrollments are low.

**GERMAN II**

**Course:** 118081/218081  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** German I and consent of the Instructor.  
**Fee:** None

German II builds on your knowledge from German I. Themes of the class include holidays, clothing, travel, home, weather, transportation and technology. Activities include dialogues, videos, games, movies and more!

**GERMAN III**

**Course:** 118091/218091  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 10-12  
**Prereq:** German II and consent of the Instructor.  
**Fee:** None

German III is a class that can help you stand out as a student as you look to the future. Build on what you already know to learn to communicate about health, daily routines, city life, jobs, the outdoors and the environment. Activities include skits, reading, movies, discussion, projects, etc.

## GERMAN IV

**Course:** 118101/218101  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 11-12  
**Prereq:** German III and consent of the Instructor.  
**Fee:** None

German IV is a year-long course that places more emphasis on speaking, writing and culture than in earlier classes. It continues to build comprehension and reading skills, emphasizing greater depth as well as smoother expression in spoken and written work through grammatical review, reading various types of literature, and viewing short and feature-length films critically.

## AP GERMAN

**Course:** 118111/218111  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 12  
**Prereq:** German IV and/or consent of the Instructor.  
**Fee:** None

AP German is a year-long course that refines and expands grammar, structure and vocabulary through composition and conversation. Emphasis is placed on communication through writing and speaking, while building cultural and linguistic comprehension using authentic German text, audio, and video resources.

## SPANISH I

**Course:** 118131/218131  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

This is a year-long course that helps students build proficiency in listening, speaking, reading, and writing Spanish. It presents the language in realistic cultural situations that are part of the Spanish speaking world through videos, games, listening exercises and speaking practice.

## SPANISH II

**Course:** 118141/218141  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Spanish I and consent of the Instructor.  
**Fee:** None

This year-long course helps further develop skills in listening, speaking, reading and writing. Vocabulary and individual projects are stressed to give students a better background in the above four skill areas. The students gain a deeper appreciation of the various cultures of the Spanish speaking world. Lab phase allows for authentic language exposure through online activities, games, quizzes, recordings, etc.

## SPANISH III

**Course:** 118151/218151

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 10-12

**Prereq:** Spanish II and consent of the Instructor.

**Fee:** None

Spanish III is a year-long course that continues to strengthen the students' language ability in the four skill areas. Students are provided with opportunities where they can create with the language, participate in conversations, and communicate in basic survival situations. Highlights of the class include individual or group projects, cultural readings, oral presentations and other activities relevant to culture. Lab phase allows for authentic language exposure through online activities, games, quizzes, recordings, etc.

## SPANISH IV

**Course:** 118161/218161

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 11-12

**Prereq:** Spanish III and consent of the Instructor.

**Fee:** None

Spanish IV is a year-long course that provides realistic experiences and situations that further strengthen the students' proficiency in the four skill areas. The students study vocabulary and grammar that is used in various cultural settings. Students are encouraged to communicate using more advanced language by speaking, listening, and writing on a daily basis. Lab phase activities include Internet research, recordings, audio and video activities, and grammar practice.

## AP SPANISH

**Course:** 118171/218171

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 12

**Prereq:** Spanish IV and/or consent of the Instructor.

**Fee:** None

AP Spanish V is taught entirely in Spanish. This course builds upon the skills learned in Spanish III & IV. It provides students with additional opportunities to use the language through interpersonal and presentational speaking and writing. The students read and listen to authentic materials via the Internet and other sources. A large emphasis will be placed on preparation for the AP Spanish exam which is offered in the spring.



## Certificate of Global Competence



Wausau West, through the Wisconsin Department of Public Instruction, offers students the ability to earn The Certificate of Global Competence.

This certificate supports student literacy as defined by the Common Core Standards and provides a pathway for 21<sup>st</sup> Century Skills (<http://www.battelleforkids.org/networks/p21>). Additionally, it prepares globally competent, career-ready students. Globally competent students investigate the world beyond their immediate environment, recognize their own and others' perspectives, communicate ideas effectively with diverse audiences in more than one language, and translate their ideas into appropriate actions to improve conditions (<https://dpi.wi.gov/international-education/achievement-certificate>).

The purpose is to:

Encourage students to recognize the value and emphasize the global aspects of their education. Serve as a significant selection criterion i.e.: an indicator of maturity and efforts to develop broadened perspective in the admissions process to colleges and universities.

Serve as an important hiring consideration i.e.: signaling maturity and preparation to work in a global marketplace by prospective employers.

Minimum Criteria:








Coursework	<p>8 credits of coursework within the Common Core (English, Math, Science, Social Studies).</p> <p>4 credits of courses with the designated Global Emphasis (<b>Courses with a Global Emphasis will be asterisked by a globe.</b>).</p> <p>4 credits/years of a single Global Language.</p>
Cultural Literacy	Reviews on at least 8 works of international/cultural media including at least 4 books. Films, music, books, or art must be pre-approved.
Co-Curricular	<p>Participation or leadership in at least 4 co-curricular or school endorsed activities that demonstrate interest in global citizenship.</p> <p>Examples include: Travel abroad, host exchange students, direct engagement with non-native speakers, International Club, Language Immersion Programs, International Fairs, etc.</p>
Community Service	20 hours of volunteer work connected to a global community service project or to a global issue.

All work/criteria must be documented by the student and verified.

Global Scholars candidates must complete an application. Applications can be obtained from a Global Language teacher.

# MATHEMATICS

The mathematics curriculum provides students with the opportunity to achieve their maximum potential in understanding mathematics. An important goal is the development of students' problem-solving ability with evidence of computational as well as conceptual understanding.

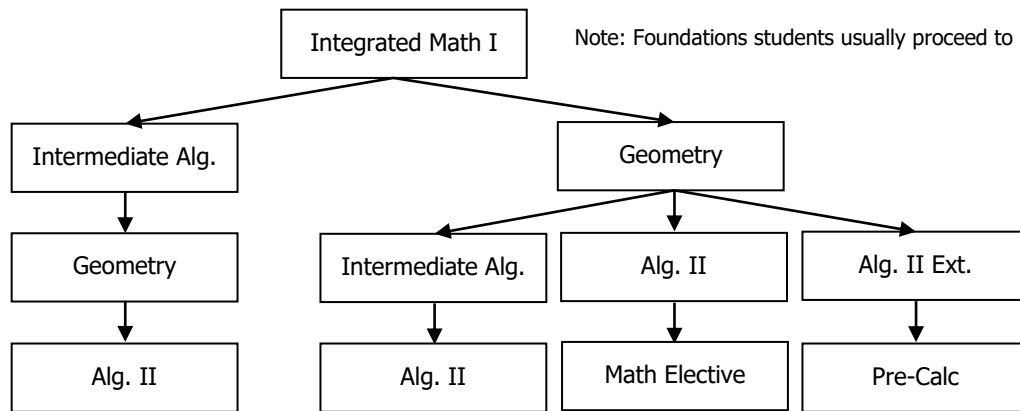
Course Titles	Offered	Year Taken	
Algebra Foundations (TEACHER PLACEMENT ONLY)	Year	9-10	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Architecture &amp; Construction</b>
Integrated Math I	Year	9-10	
Geometry	Year	9-12	
Geometry in Construction	Year	10-11	
Intermediate Algebra	Year	10-12	
Algebra II	Year	10-12	
Algebra II Extended	Year	9-12	
Pre-Calculus	Year	10-12	
Algebra III	Year	11-12	
Advanced Placement Calculus (AB)	Year	11-12	
Advanced Placement Statistics	Year	10-12	
Explorations in Data Science	Year	11-12	
CS - Introduction to Programming*	Semester I	9-12	
CS - Web Design*	Semester II	9-12	
CS - AP Computer Science A*	Year	10-12	
CS - Exploring Computer Science *	Year	10-12	
			 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Education &amp; Training</b>
			 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Finance</b>
			 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Health Science</b>
			 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Information Technology</b>
			 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Manufacturing</b>
			 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Science, Technology, Engineering &amp; Mathematics</b>

Students will work with teachers and parents/guardians during registration to select the most appropriate math course each year. Graduation requires 3 math credits. Courses marked with an asterisk (\*) are for elective credit only and do not currently fulfill any of the 3 required math credits for graduation

Opportunities to accelerate on math courses exist within the pathways in order to reach Calculus if a student begins with Integrated Math I. The recommended double-op option by the math department is with Alg II Ext and Pre-Calc as a junior. These courses share some curriculum & themes and is easier for students to transition from class to class. Juniors also typically have more time in their schedule than sophomores. If there are any questions about the acceleration path to Calculus, students can ask their grading teacher or see the department chairs – Jason Myers or Jim Wendling.

Students are able to double-up with upper-level math courses. Their most common double-ups are with AP Statics, Data Science, and/or/ Computer Science with the traditional math courses. All three courses pair well with Alg III, Pre-Calc, and/or AP Calc depending on the student's needs and interests beyond high school. Students should research requirements for high ed programs to see which class or classes fit their needs. Questions can again be referred to department chairs – Jason Myers or Jim Wendling.

This outlines possible sequences of math courses offered at West. Students are not limited to these possibilities, but these are the most popular.



Note: Foundations students usually proceed to Math I

Following Alg. II/Alg. II Ext., students have various elective options:

- Alg. III ⇒ Usually students from Alg. II
- PreCalc. ⇒ Usually students from Alg. II Ext.
- AP Calc. ⇒ Follows PreCalc.
- AP Statistics ⇒ Often doubled up with Alg III, Pre-Calc, or AP Calc  
Stats can be taken as a stand-alone math class as well
- Intro to Statistics ⇒ Can be doubled up with any of the above or on its own.

## ALGEBRA FOUNDATIONS

**Course:** 119551/219551

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 9

**Prereq:** Students may not register themselves for this course. Teacher referral only.

**Fee:** None

Algebra Foundations is offered as a skill building class for students in order to prepare them for Integrated Math I and the beginnings of the Common Core standards for high school mathematics. Topics include: integers, fractions, expressions, equations, inequalities, slope & graphing, exponents, systems, writing equations and 2D Geometry.

**This class is not approved by the NCAA Eligibility Center as a core math course.**

## INTEGRATED MATH I

**Course:** 119041/219041

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 9-10

**Prerequisite:** none

**Fee:** \$3

Math I is the first of a two-year sequence of introductory high school math course defined by the Wisconsin Standards for Mathematics. Standards instructed include reasoning and solving equations, linear equations, inequalities, and systems of linear equations, linear and exponential functions, foundations of geometric thinking and reasoning, and an introduction to geometric principles, and statistics.

## GEOMETRY

**Course:** 119271/219271

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 9-12

**Prereq:** Integrated Math I

**Fee:** \$3

Geometry covers the second year of the mathematics curriculum defined by the Common Core standards and is based on understanding and completion of Integrated Math I concepts. These standards include:

1. Congruence, proof, and construction
2. Similarity, proof, and trigonometry
3. 3-D Geometry
4. Connection algebra and geometry through coordinates
5. Circles
6. Applications of probability

Materials needed in the class include a 1.5 or 2 inch 3-ring binder and a scientific calculator

## GEOMETRY IN CONSTRUCTION

**Course:** 124451/224451  
**Credit:** 2.0/Year (1.0 Math & 1.0 Elective Credit)  
**Offered:** Year  
**Year Taken:** 10-11  
**Prereq:** None  
**Fee:** None

In this course students will be exposed to construction careers such as engineering, architecture, construction management, interior design, landscape architecture, and surveying. Students will learn safety, problem solving, tool use, and drawing interpretation and understand the interrelation of geometry in construction. Students will use coordinate geometry in the study of area, perimeter, volume, transformations, congruence, and functions. The class will be taught by both a Math and Technology & Engineering Education teacher so that students experience the connections between construction and geometry. Successful completion of this course will result in the required 1.0 math credit for Geometry and a 1.0 elective credit.

**This class is pending approval by the NCAA Eligibility Center as a core math course.**

*This course is also listed on page 123 of the handbook.*

## INTERMEDIATE ALGEBRA

**Course:** 119111/219111  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 10-12  
**Prereq:** Math I REQUIRED OR CONCURRENT ENROLLMENT.  
**Fee:** None

Intermediate Algebra is a bridge course between Integrated Math I and Geometry, or Geometry and Algebra II. Topics include linear, exponential, quadratic, polynomial, rational, and radical functions.

**This class is not approved by the NCAA Eligibility Center as a core math class.**

## ALGEBRA II

**Course:** 119061/219061  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 11-12  
**Prereq:** Math I  
**Fee:** \$3

Algebra II covers the third year of the mathematics curriculum defined by the Common Core standards. These standards include:

- Polynomial, rational, and radical relationships
- Function modeling
- Statistics
- Trigonometry functions (optional)

Desmos Online Graphing calculators will be utilized in this course.

## ALGEBRA II EXTENDED

**Course:** 119071/219071  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Math I and Geometry REQUIRED.  
**Fee:** \$3

Algebra II Extended is an advanced level course covering the third year of the mathematics curriculum defined by the Common Core standards. These standards include:

- Polynomial, rational, and radical relationships
- Function modeling
- Statistics
- Trigonometry functions

Desmos Online Graphing calculators will be utilized in this course.



**ALGEBRA III****Course:** 119011/219011**Credit:** 1.0/Year**Offered:** Year**Year Taken:** 11-12**Prereq:** Alg. II (any level)**Fee:** None**Credit:** Dual Credit-See pg. 6.

Algebra III is a course designed for students who would like to further strengthen their math skills before furthering their education in either the college or technical education setting. Topics included are: function analysis, sequences and series, exponential and logarithmic functions, data analysis, systems of equations, rational functions and conic sections.



NTC Equivalent Course:

College Algebra w/Apps #10-804-195 (3 credits)

Department: General Studies

**PRE-CALCULUS****Course:** 119241/219241**Credit:** 1.0/Year**Offered:** Year**Year Taken:** 9-12**Prereq:** Algebra II Extended or Algebra II**Fee:** None**Credit:** Dual Credit-See pg. 6.

This is a year-long course designed for college bound students planning to take calculus. Topics included are: function analysis, trigonometric functions, analytical geometry, complex numbers, polar coordinates, parametric equations, vectors, exponential and logarithmic functions, data analysis, curve fitting, rational functions, limits, and rates of change. TI-Nspire graphing calculators will be utilized in this course.



NTC Equivalent Course:

Trigonometry with Applications #10-804-196 (3 credits)

Department: General Studies

**ADVANCED PLACEMENT CALCULUS (AB)****Course:** 119021/219021**Credit:** 1.0/Year**Offered:** Year**Year Taken:** 9-12**Prereq:** Pre-Calculus**Fee:** None

AP Calculus (AB) is a year-long course in introductory calculus with elementary functions. Students will have the opportunity to take the AP exam at the end of the year for potential college credit. This course is intended for students who have a thorough knowledge of college preparatory mathematics, Algebra through Pre-Calculus. In its simplest form, Calculus is the study of how "things" change. Practical examples of changes studied include: bacterial growth, stock market prices, profits/losses, snowfall, temperature, populations, insurance rates/claims, and fuel consumption, to name a few. Universities, the military, government agencies, airlines, engineering, software companies, and construction companies are only a few employers who seek individuals with a solid knowledge of calculus. Even doctors and lawyers use calculus to help build the discipline necessary for solving complex problems, such as diagnosing patients or planning a prosecution case. Despite its mystique as a more complex branch of mathematics, calculus touches our lives each day, in ways too numerous to calculate. A graphing calculator (TI-Nspire CAS) will be used throughout the course.

**Note:** Many colleges will grant up to six semester credits for successful completion (an AP score of "3" or higher) of the Advanced Placement Calculus test administered by the College Board in May each year.

## ADVANCED PLACEMENT STATISTICS

**Course:** 119431/219431  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 10-12  
**Prereq:** Geometry with current Alg. II Ext. enrollment or Alg. II.  
**Fee:** None

AP Statistics is a year-long course with the opportunity of earning college credit through the AP exam at the end of the year. Students will describe data graphically and numerically, explore the design of surveys and experiments, and develop the skills used in making sound statistical decisions. Statistics is used and required by many fields of study (not just for the mathematically elite). Some of these areas include: health related studies such as physicians, pharmacists or nurses, psychology and sociology; business and economics; biology and other sciences; engineering; actuarial science; agriculture and food science; general research; and many others. A graphing calculator (TI-Nspire CAS) will be used throughout the course.

Introduction to Statistics is not required to take AP Statistics.

**Note:** Many colleges will grant 3 credits for successful completion of the Advanced Placement Statistics test administered by the College Board in May each year (A score of 3 or better is considered passing at most universities).

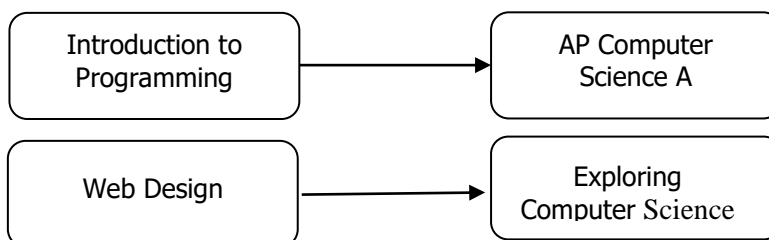
## EXPLORATIONS IN DATA SCIENCE

**Course:** 119151/219151  
**Credit:** 1.0/year.  
**Offered:** Semester I or II  
**Year Taken:** 11-12  
**Prereq:** Geom Required  
 Algebra II Recommended  
**Fee:** None

In this course, students will learn to understand, ask questions of, and represent data through project-based units. The units will give students opportunities to be data explorers through active engagement, developing their understanding of data analysis, sampling, correlation-causation, bias and uncertainty, modeling with data, making and evaluating data-based arguments, and the importance of data in society. At the end of the course, students will have a portfolio of the data science work to showcase their newly developed knowledge and understanding.

## MATHEMATICS/COMPUTER SCIENCE ELECTIVES

"COMPUTER SCIENCE EMPOWERS STUDENTS TO CREATE THE WORLD OF TOMORROW"  
SAYA NADELLA



\*Computer science courses do not count toward Math graduation requirements.

### CS-INTRODUCTION TO PROGRAMMING\*

**Course:** 119181  
**Credit:** .5/Sem.  
 (\*this is an elective credit)  
**Offered:** Semester I  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

In this introductory course, students explore the structures and processes for developing solutions using computer code and the thinking skills and logic that will be applied in all other computer science classes. Students will learn structured programming through writing applications using the Python programming language. Assignments range from writing simple games to designing useful scientific and business applications. Project Stem serves as the platform for this class which allows programming to be done on the Chromebook.

**This class is not approved by the NCAA Eligibility Center as a core math course.**

### CS-WEB DESIGN\*

**Course:** 219191  
**Credit:** .5/Sem.  
 (\*this is an elective credit)  
**Offered:** Semester II  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** None

This course introduces students to the techniques used to design, build and maintain a quality website. Students learn HTML (HyperText Markup Language), which provides the blueprint for creating correct structure and content of a web page, and CSS (Cascading Style Sheets), which applies the visual styling and layout features that make a web page functional, attractive and unique. Learning how to develop web pages requires an eye for detail, solid reading and reasoning skills, and a working knowledge of HTML and CSS. These key skills will enable students to construct websites for personal and professional use.

**This class is not approved by the NCAA Eligibility Center as a core math course.**

## CS-ADVANCED PLACEMENT COMPUTER SCIENCE A\*

**Course:** 119211/219211

**Credit:** 1.0/Year

(*\*this is an elective credit*)

**Offered:** Year

**Year Taken:** 10-12

**Prereq:** Intro to Programming (with a grade of C or better).

**Fee:** None

AP Computer Science A builds upon the foundations developed in the Introduction to Programming course. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. Students must plan for and set aside appropriate time needed for designing, writing, testing and de-bugging programs. A home computer is highly recommended.

There is a large need in the U.S. to increase the number of CS and IT graduates in both 2 and 4-year programs to fill the growing demand for programmers and IT specialists. Data suggests that students who complete the AP Java course in high school enjoy far more success transitioning to college-level programming courses. Students will be eligible to take the AP Computer Science A exam in May.

**This class is not approved by the NCAA Eligibility Center as a core math course.**

## CS-EXPLORING COMPUTER SCIENCE \*

**Course:** 119151/219151

**Credit:** 1.0/Year

(*\*this is an elective credit*)

**Offered:** Year

**Year Taken:** 10-12

**Prereq:** Intro to Programming (with a grade of C or better) Recommend following AP CS.

**Fee:** None

Exploring Computer Science allows students to explore a variety of fields in the very broad study of computer science. Topics include: App Development, Networking, Game Design, and Cybersecurity with the possibility of exploring Artificial Intelligence and Physical Computing (depending on time restraints). These skills extend those coding skills developed in Intro to CS and AO CS, but focus on different aspects of skills needed in the world of computing and projects. This course will hopefully inspire future computer scientists to challenge themselves in new areas of computing.

**This class is not approved by the NCAA Eligibility Center as a core math course.**

## MUSIC




Wausau West High School offers a variety of courses in the field of music. The choirs, bands, and orchestras maintain an active performance schedule and are recognized throughout the state for their excellence.

Why Choose Music? Recent research has once again found a strong correlation between music and brain development. Studies prove that listening and participation in music have a powerful and positive influence on the brain and enhance learning levels.

The Wausau West Music Department holds the following beliefs:

- We believe the study of music develops life skills.
- We believe the study of music is a vital part of every student's education.
- We believe music positively influences other disciplines and professions.
- We believe a quality music program has a positive impact on school climate and community life.

MORE INFORMATION: [www.wsmamusic.com](http://www.wsmamusic.com) or [www.menc.org](http://www.menc.org)

Course Titles	Offered	Year Taken	
Freshman Choir	Year	9	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Arts, A/V Technology &amp; Communications</b>
Tenor-Bass Choir	Year	10-12	
Treble Choir	Year	10-12	
Concert Chorale	Year	11-12	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Education &amp; Training</b>
Concert Band	Year	9-12	
Wind Ensemble	Year	10-12	
Orchestra	Year	9-12	 <b>CareerClusters™</b> PATHWAYS TO COLLEGE & CAREER READINESS <b>Hospitality &amp; Tourism</b>
Music Production I	Semester I	10-12	
Music Production II	Semester II	11-12	

### FRESHMAN CHOIR

**Tenor/Bass Course:**

120015/220015

**Soprano/Alto Course:**

120017/220017

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 9

**Prereq:** None

**Fee:** None

A year-long course that includes in its study: choral techniques, part reading, diction, and extending knowledge of choral literature. The choir participates in several concerts during the school year. Performances and concerts are considered an extension of the classroom; therefore, attendance at all performances is required.

**UPPER CLASSMEN'S VOCAL MUSIC** (grades 10, 11 & 12)**Course:** 120051/220051

Vocal Music is available to students interested in a performing choral group. All students who are interested in the program are to register for VOCAL MUSIC. Performances and concerts are considered an extension of the classroom; therefore, attendance at all performances is required. Following registration, audition schedules are arranged. After the audition, the students will be placed in one of the three choirs listed below.

**TENOR-BASS CHOIR****Course:** 120021/220021**Credit:** 1.0/Year**Offered:** Year**Year Taken:** 10-12**Prereq:** Must meet minimum singing standards as determined by the Director.**Fee:** None

A year-long course designed to give students in the tenor or baritone range, with limited choral experience, the opportunity for training in ensemble work, choral techniques and the study of choral literature. The chorus participates in several concerts during the school year. Performances and concerts are considered an extension of the classroom; therefore, attendance at all performances is required.

**TREBLE CHOIR****Course:** 120041/220041**Credit:** 1.0/Year**Offered:** Year**Year Taken:** 10-12**Prereq:** Must meet minimum singing standards as determined by the Director.**Fee:** None

A year-long course designed to give students in the soprano or alto range, with limited choral experience, the opportunity for training in ensemble work, choral techniques and the study of choral literature. The chorus participates in several concerts during the school year. Performances and concerts are considered an extension of the classroom; therefore, attendance at all performances is required.

**CONCERT CHORALE****Course:** 120001/220001**Credit:** 1.0/Year**Offered:** Year**Year Taken:** 11-12**Prereq:** Must meet minimum singing standards as determined by the Director.**Fee:** None

A performance group of selected vocal students. The members of Concert Chorale are selected on the basis of individual audition. The choir makes numerous appearances in the Wausau area each year. Performances and concerts are considered an extension of the classroom; therefore, attendance at all performances is required.

**CONCERT BAND****Course:** 120081/220081

Also sign up for Instrument Section

**Credit:** 1.0/Year**Offered:** Year**Year Taken:** 9-12**Prereq:** Minimal musical standards as determined by the Instructor.**Fee:** Band Fee: \$35/Year

A year-long course open to grades 9-12 with placement being determined by the individual's musical ability and advisement of the instructor. Performances are viewed as an extension of the classroom; therefore, attendance at all performances is required. Opportunities for participation in Solo and Ensemble Festivals are available and encouraged.

**Note:** Optional instrument rental \$30.00 per year

## WIND ENSEMBLE

**Course:** 120091/220091  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 10-12 with Instructor Approval  
**Prereq:** Instructor Placement  
**Fee:** Band Fee: \$35/Year  
 Optional school instrument rental: \$30/Year

Wind Ensemble is a year-long course for advanced instrumental musicians focusing on performance of a variety of musical styles. Wind Ensemble members are selected by audition in the spring semester. Performances are viewed as an extension of the classroom; therefore, attendance at all performances is required.

**Students should initially enroll in Concert Band.**

## ORCHESTRA

**Course:** 120061/220061  
 Also sign up for instrument section  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Minimum musical standards as determined by the Director.  
**Fee:** \$10.00/Year

A year-long course, open to students in grades 9-12, which is performance oriented. Students perform a variety of music styles at several concerts. Performances and concerts are considered an extension of the classroom; therefore, attendance at all performances is required. Opportunities for participation in Solo and Ensemble Festivals are available and encouraged.

## MUSIC PRODUCTION I

**Course:** 120111  
**Credit:** .5/Sem  
**Offered:** Semester I & 2  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

This one semester introductory course will explore concepts in music creation using modern technology. This course will provide Wausau Music Production students opportunities to learn about career pathways into the music industry. This course is open to all students without prerequisites. This course is project-based. Canvas will be used as a hub for class assignments and materials.

## MUSIC PRODUCTION II

**Course:** 220141  
**Credit:** .5/Sem  
**Offered:** Semester II  
**Year Taken:** 11-12  
**Prereq:** Music Production I or Instructor permission  
**Fee:** None

Music Production II is a one semester course. It is a more in depth offering for students interested in music/event production or in-home recording studios. Students must be willing to contribute by singing and / or performing on musical instruments throughout the course. This course covers a broad range of music production & recording topics including: \*Live sound reinforcement: understanding and applying techniques use in live performances (i.e., mixers, microphones, speakers, effects, etc). \*Studio Recording reinforcement: understanding and applying techniques used in the studio environment to record, mix, and produce professional quality musical recordings.



## PHYSICAL EDUCATION

Physical Education is an integral part of total education. Every student is given the opportunity to develop and maintain good physical and mental health and to experience activities which are stimulating, gratifying, and carry into everyday life.

Course Titles	Offered	Year Taken	Course Status
Physical Education 9	Year	9	<b>REQUIRED</b>
Health	Semester I: A-L Semester II: M-Z	10	<b>ONE OF THESE REQUIRED</b>
Health Core	Semester II	10	
Adventure Based Activities	Semester I or II	10-12	ELECTIVE
Aerobics/Social Dance	Semester II	10-12	ELECTIVE
Bowling/Golf	Semester II	11-12	ELECTIVE
Invasion Games	Semester I or II	10-12	ELECTIVE
Leadership Training	Semester I or II	10-12	ELECTIVE
Net Games (Badminton)	Semester I or II	10-12	ELECTIVE
Outdoor Education	Semester II	10-12	ELECTIVE
Relaxation Techniques	Semester I or II	11-12	ELECTIVE
Personal Wellness	Semester I	11-12	ELECTIVE
Self Defense	Semester II	11-12	ELECTIVE
Student Instructor Seminar (pre sign-up, consent form needed)	Semester I or II	11-12	ELECTIVE
Weight Training	Semester I or II	10-12	ELECTIVE
Weight Training – Early Bird	Semester I or II	10-12	ELECTIVE
Young Adult Medicine	Semester I	11-12	ELECTIVE
Specially Designed P.E. (See Special Ed Section)	Year	9-12	REFERRAL BY INSTRUCTOR





## 9<sup>th</sup> & 10<sup>th</sup> GRADE PHYSICAL EDUCATION OFFERINGS

### PHYSICAL EDUCATION 9

**Course:** 134011/234011  
**Credit:** .5/Year  
**Offered:** Year  
**Year Taken:** 9  
**Prereq:** Freshman  
**Fee:** None

The Freshman physical education course is a year-long offering. It provides an opportunity for the development of fundamental skills in a wide range of areas and exposure to a variety of activities. It consists of fun and creative workouts for individuals, partners and groups that use cooperation, learning, cardiovascular endurance, interval training, muscular endurance, muscular strength and other fitness concepts to bring out the best in our students.

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### HEALTH

**Course:** 134001/234001  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10  
**Prereq:** Sophomore  
**Fee:** \$3

**This course is required for all sophomores and is designed to help students understand how the choices they make now and, in the future, will impact their overall health and wellness.** The topics covered in this course are healthy eating, personal health and wellness, mental and emotional health, alcohol, tobacco and other drugs, as well as interpersonal communication and skills. Students will be placed into this class based on their last names A-L or M-Z.

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### HEALTH CORE

**Course:** 234261  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10  
**Prereq:** Teacher or Counselor approval.  
**Fee:** \$3

**This course is required for all sophomores and is designed to help students understand how the choices they make now and, in the future, will impact their overall health and wellness.** The topics covered in this course are healthy eating, personal health and wellness, mental and emotional health, alcohol, tobacco and other drugs. This course will focus on topics at the basic level.

## ELECTIVE PHYSICAL EDUCATION CLASSES

### ADVENTURE BASED ACTIVITIES

**Course:** 134061/234061  
**Credit:** .25/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None  
**Dual Credit** – See pg. 6

This course is designed to include several activities that emphasize group development skills such as problem-solving, initiatives and trust activities. This course promotes the social skills of communication, cooperation, and leadership development within the class. It will also include numerous low and high ropes course elements and wall climbing. The outdoor course includes: Zip line, Pamper jump, Climbing Tower, Dangle Duo, Multi-vine traverse and Cable traverse. Students on the ropes course will be encouraged to take healthy risks within their comfort zone. There are certain inherent risks and dangers associated with the event; students knowingly and voluntarily accept and assume responsibility for these risks and dangers, and dangers that could arise out of, or occurring during, student participation in the event.

Note: This is a dual credit course. Students who successfully complete will be eligible for credit through UW-Oshkosh.



UW-O Equivalent Class: #193 (2 credits)  
 Adventure, Challenge and Cooperative Activities in Physical Education

### AEROBICS/SOCIAL DANCE

**Course:** 234071  
**Credit:** .25/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

This is a Co-Ed class offered to those who like to move to many styles of music. The social dance component will include a variety of individual, partner, and group dances. Some examples include Latin Dances (salsa, merengue, tango, cha cha, and mambo) swing, line dancing, waltz, and others. Students will also become familiar with proper dance etiquette on and off the dance floor. The other component included in this course is Aerobic Dance. This will include High and Low Intensity Aerobics, Step Aerobics, Cardio-Kick Boxing, circuit and stability ball training, HIIT Workouts, and an introduction to Zumba.

### BOWLING/GOLF

**Course:** 234081  
**Credit:** .25/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** \$45 per semester

This course will teach the students the fundamentals of golf and bowling. Students will spend third quarter bowling and the fourth quarter working on the game of golf. At the end of the golf unit, students are given the opportunity to play a round of golf at a local golf course. Students will be given the opportunity to bowl at a local bowling center most days. Students are required to pay fees for bowling and golfing.

## INVASION GAMES

**Course:** 134211/234211  
**Credit:** .25/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

Invasion games are team games in which the purpose is to invade the opponent's territory while scoring points and keeping the opposing team's points to a minimum, and all within a certain time period. These include games where the ball is being carried or caught across a line, thrown or shot into a target, or struck with a stick or foot into a specific target area. Invasion games are the most strategic types of games with many transferable skills. Some activities may include but are not limited to Soccer, Speedball, Flag Football, Quad Ball, Satryn Ball, and Basketball.

## LEADERSHIP TRAINING

**Course:** 134101/234101  
**Credit:** .25/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

This course is designed to have two parts. The first phase is the classroom portion. The students will learn about and initiate leadership skills by participating in many activities that build and enhance leadership skills. The second portion will involve the student assuming a leadership role within the school or out in the community. Students will be required to put in a designated number of hours in their choice of leadership activities. One option would be for the high school student to be a student leader at the Wausau School Forest for the 5<sup>th</sup> grade program. (No sign-up ahead of time, must have West P.E. approval). Other options for the students to obtain their hours include working with the Badger State Games, Special Olympics, tutoring groups, after school day care, after school youth activities and various volunteer options.

## NET GAMES

**Course:** 134121/234121  
**Credit:** .25/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None  
**Dual Credit** – See pg. 6

This course is a combination of various leisure time activities that include a net. Some activities may include but are not limited to tennis, badminton, eclipse ball, pickleball, takraw, floor hockey and volleyball. Fitness, hand-eye coordination, speed, agility and improving one's reaction are a few of the benefits that can be gained through participation in these activities.

**Note:** This is a dual credit course. Students who successfully complete will be eligible for credit through UW-Oshkosh.



UW-O Equivalent Class: #138 (1 credit)  
 Beginning Badminton

## OUTDOOR EDUCATION

**Course:** 234111  
**Credit:** .25/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None  
**Dual Credit** – See pg. 6

This course is designed to expose students to a variety of outdoor skills. Students will participate in an Archery unit designed to examine the areas of equipment, terminology, shooting techniques, and safety. Other units may include, but are not limited to, hiking, knots, orienteering, snowshoeing, cross country skiing, fly fishing, ice fishing, mountain biking, disc golf and rock climbing.

**Note:** This is a dual credit course. Students who successfully complete will be eligible for credit through UW-Oshkosh.



UW-O Equivalent Class: #180 (1 credit)  
 Beginning Archery Skills

## RELAXATION TECHNIQUES

**Course:** 134141/234141  
**Credit:** .25/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None  
**Dual Credit** – See pg. 6

This course is designed to slow you down in this fast-paced society. We will focus on stress management and breathing techniques used for relaxation. Some specific areas of focus include: communication skills, time management, goal-setting, exercise, nutrition, and yoga. Students will be able to identify personal stress patterns and help alter the negative aspect of these patterns. This class teaches you how to take time for yourself which is a critical part of a healthy lifestyle.

**Note:** This is a dual credit course. Students who successfully complete will be eligible for credit through UW-Oshkosh.



UW-O Equivalent Class: #163 (1 credit)  
 Techniques of Scientific Relaxation

## PERSONAL WELLNESS

**Course:** 134131  
**Credit:** .25/Sem.  
**Offered:** Semester I  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None

This course is designed to give students the opportunity to put into action the comprehensive health and wellness concepts they have learned throughout the physical education/health curriculum. Students in this class will:

- Develop a more defined self-awareness. They will become more aware of their physical, spiritual, emotional, social, intellectual, and occupational selves. They will develop a better understanding of their strengths and weaknesses, limitations and capabilities.
- Learn how different aspects of the self are interrelated.
- Have a sense of balance. Students will determine how much time they should devote to themselves and others. Of the time students devote to themselves, students will determine how much time they should devote to different aspects of their lives. Finding balance may mean devoting unequal amounts of time to different areas of their lives.
- Understand how their choices affect themselves and others.
- Know ways to handle problems they encounter in life.
- Be aware of school resources that can help them develop a self-awareness, understand how aspects of themselves are interrelated, achieve balance, make choices and handle decisions in their lives.

## SELF-DEFENSE

**Course:** 234151  
**Credit:** .25/Sem.  
**Offered:** Semester II  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None

This course is designed for the student wanting to learn basic self-defense techniques. Basic falling and landing techniques and self-defense moves are covered. The course will also help teach body control and build the student's confidence in coordination of body movements. This course will also incorporate basic wrestling techniques and introduction to the various martial arts.

## STUDENT INSTRUCTOR SEMINAR

**Course:** 134181/234181  
**Credit:** .25/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 11-12  
**Prereq:** Junior or Senior and P.E. Staff written approval.  
**Fee:** None

The student instructor course is the most advanced course in which students can participate. Students with good technique and knowledge will assist teachers in the instruction of other students. Student instructors will aid in giving individual attention needed by many students. Student instructors will also assist teachers in some daily procedures such as equipment set-up/take down, equipment maintenance, locker room supervision and help prepare classroom materials. **Students must have P.E. Staff written approval prior to enrolling in this class.**

**WEIGHT TRAINING**

**Course:** 134161/234161  
**Credit:** .25/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None  
**Dual Credit** – See pg. 6

**Weight Training**  
**Early Bird**  
**Monday/Wednesday**  
**Friday**  
**6:45 am – 7:30 am**  
**Course:** 134171/234171  
**Credit:** .25/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

This course is designed to enhance student knowledge and experience in the realm of strength training. The objective of this course is to provide students with the basic concepts of training and the ability to create, problem solve and modify their own programs.

The first quarter in each semester will focus on learning common exercises as well as the different types of training goals. In addition, students will learn how to begin the process of developing a program. The second quarter in each semester will be devoted to the student creating their own programs and performing them with specific goals in mind along with tracking their own progress.

Students will learn how to record/journal progress as well as how to modify a program to change fitness goals. Lecture sessions will be devoted to the topics of exercise selection/modification, program fundamentals and types, modifying nutrition for specific goals, injury prevention and improving body composition.

Note: This is a dual credit course. Students who successfully complete will be eligible for credit through UW-Oshkosh.



UW-O Equivalent Class: #113 (1 credit)  
 Weight Training (1 credit)

**YOUNG ADULT MEDICINE**


**Course:** 134221  
**Credit:** .25/Sem.  
**Offered:** Semester I  
**Year Taken:** 11-12  
**Prereq:** Ability to give presentation to the class.  
**Fee:** \$5


This course is divided into two units. The first unit covers CPR/First Aid/AED following the American Red Cross guidelines. The second unit presents a series of health-related lectures by local physicians and medical professionals. Students become familiar with what constitutes good health and the delivery of health care. Possible areas to be included: pediatrics, family practice, orthopedics, pathology, O.B., dermatology, radiology and hospital experience. We may also take some field trips to medical/educational facilities.


# SCIENCE

The development of our society is intimately related to science. Society's need to expand in complex ways has increased its dependence on science and technology. All students should receive an education in science to ensure they can make the most of their lives and opportunities. The goal of science education should be to develop scientifically literate citizens with the necessary intellectual resources, attitudes, and inquiry skills to promote the development of society.

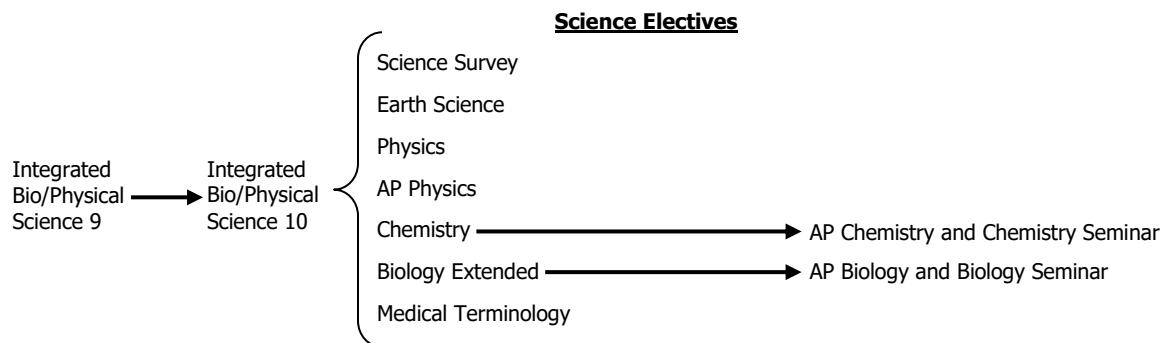
Course Titles	Offered	Year Taken	
Integrated Biological/Physical Science 9	Year	9	
Integrated Biological/Physical Science 9/10	Year	9	
Integrated Biological/Physical Science 10	Year	10	
Science Survey	Year	11-12	
Earth Science	Year or Semester	11-12	
Medical Terminology	Semester	11-12	
Physics	Year	11-12	
Advanced Placement Physics	Year	11-12	
Chemistry	Year	11-12	
Advanced Placement Chemistry and Chemistry Seminar	Year	11-12	
Biology Extended	Year or Semester	11-12	
Advanced Placement Biology and Biology Seminar	Year	11-12	


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**Science, Technology, Engineering & Mathematics**

A student's educational experience in science begins with Integrated Biological/Physical Science in 9th and 10th grade. Integrated Biological/Physical Science is a combination of Introductory Biology, Chemistry, Physics, Earth Science and Environmental Science. The course of study revolves around a theme that provides continuity and is aimed at developing students as scientifically literate members of society. This two-year sequence is designed to satisfy the Wisconsin Academic Standards for Science and to prepare students for additional study through lab and non-lab science courses listed below.



The Wausau School District requires 3 years (6 semesters) of science to graduate. It is recommended by colleges that a minimum of two credits come from lab-based courses that are above.

**Additional Non-Lab Elective Courses** from the Agriscience, Technology and Engineering Education, Science, and Family and Consumer Science Departments help meet WSD high school graduation requirements. See course descriptions for more details.

- Principles of Engineering (Tech Ed Dept.) See page 126
- Vet Science (Agriscience Dept.) See page 46
- Horticulture/Greenhouse (Agriscience Dept.) See page 47
- Adv. Conservation (Agriscience Dept.) See page 47
- Food Science (FCS Dept.) See page 79

## INTEGRATED BIOLOGICAL/PHYSICAL SCIENCE 9

**Course:** 122241/222241

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 9

**Prereq:** None

**Lab Fee:** \$5/Sem.

This is a one-year course required for Freshmen. It is an integrated science approach to developing basic skills, knowledge and appreciation of science. The themes studied involve the natural phenomena that affect an individual on a day-to-day basis. The majority of instruction is laboratory based and includes investigations from all five basic disciplines of science (biology, chemistry, earth science, environmental science and physics). Scientific skills, problem solving and critical thinking skills are highly emphasized. This course builds a strong foundation for students as they prepare to move through upper level science classes in the future.

## INTEGRATED BIOLOGICAL/PHYSICAL SCIENCE 9/10 EXTENDED

**Course:** 122381/222381

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 9

**Prereq:** See Note.

**Lab Fee:** \$5/Sem.

This is an accelerated science course open to Freshmen. The curriculum compresses topics from two courses; Integrated Biological/Physical Science 9 and Integrated Biological/Physical Science 10. This course is designed for the student who has advanced knowledge and skills in science. Successful students learn rapidly, understand science concepts readily, have well-developed study skills, have a strong desire to take at least one science class per semester at Wausau West and are interested in a career in a science field.

**Note: 1)** Completion of John Muir's accelerated Science 8 course with strong teacher recommendation **or 2)** for non-John Muir students, the admission procedure involves an alternate screening process (please contact the Science Department Leader at Wausau West High School).

## INTEGRATED BIOLOGICAL/PHYSICAL SCIENCE 10

**Course:** 122261/222261

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 10

**Prereq:** Integrated Biological/Physical 9

**Lab Fee:** \$5/Sem.

This is a one-year course required for sophomores. It is an integrated science approach to developing advanced skills, critical thinking knowledge and appreciation of science. The theme is directed toward those concerns that our culture must face at the present time and in the future. The majority of instruction is laboratory based and includes investigations from all five basic disciplines of science (biology, chemistry, earth science, environmental science and physics). The nature of the scientific endeavor and the relationship of science and technology to society are emphasized.



## PHYSICS

**Course:** 122211/222211

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 11-12, or 10  
with consent of Science 9/10  
instructor.

**Prereq:** Completion of Int  
Math I, Geometry, Integrated  
Biological/Physical Sciences 9  
& 10 or 9/10.

**Lab Fee:** \$5/Sem.

Physics is a one-year course that explains topics such as motion, forces, energy, electric circuits, rotation, gravitation, waves, and sound. This course involves hands-on labs and problem-solving activities. Once you can understand the world around us (the motion in playing sports, the forces in a car crash, or the electricity running through your house) everyday happenings make sense.

## ADVANCED PLACEMENT (AP) PHYSICS

**Course:** 122391/222391

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 11-12, or 10  
with consent of Science 9/10  
instructor.

**Prereq:** Completion of Int  
Math I, Geometry, Integrated  
Biological/Physical Sciences 9  
& 10 or 9/10. Current  
enrollment in Algebra II.

**Lab Fee:** \$5/Sem.

AP Physics I is a college level algebra and trigonometry-based introduction to physics. We will study topics including motion, forces, energy, momentum, waves and rotation. The course includes many hands-on experiments and problem-solving activities as well as several projects. Students will be well prepared to take the AP Physics I exam in May, which may result in college credit.

## EARTH SCIENCE

**Course:** 122151/222151

**Credit:** .5/Sem. or 1.0/Year

**Offered:** Sem. or Year

**Year Taken:** 11-12

**Prereq:** Completion of  
Integrated Biological/Physical  
Sciences 9 & 10 or 9/10.

**Lab Fee:** \$5/Sem.

### **Students may enroll for either semester or both semesters.**

In first semester we will look at the awesome universe as we study astronomy and meteorology. Topics include galaxies, stars and planets; the Earth, moon and sun; the Earth's atmosphere; storms (tornadoes and hurricanes); weather maps and weather predictions. During the astronomy unit there will be one class meeting a week in the Planetarium. Optional nighttime telescope viewing may be available.

Second semester topics include creative relationships between the Earth's interior and exterior. Discover the importance of geography and geology in everyday life as we study the following areas: geographical information systems (GIS) on computers, geographic position system (GPS), rocks and minerals and mining, the effect of plate tectonics including earthquakes, tsunamis, volcanoes, mountains and ocean floor features such as trenches and ridges.

**Course:** 122291/222291  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 11-12  
**Prereq:** Junior standing  
**Lab Fee:** \$5/Sem.

This lab science course is intended for junior and seniors who seek additional opportunities in the four science disciplines of physics, chemistry, earth science, and biology through 4-to-6 week units. This problem solving, critical thinking course will help students prepare for additional advanced studies in science at Wausau West and will assist students to better understand the world. Juniors will also practice ACT science test skills and seniors will design and create a science project.

**This class is not approved by the NCAA Eligibility Center.**

## CHEMISTRY

**Course:** 122091/222091  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 11-12, or 10 with consent of Science 9/10 instructor.  
**Prereq:** Completion of Int Math I and Integrated Biological/Physical Sciences 9 & 10 or 9/10.  
**Lab Fee:** \$5/Sem.

Chemistry is taught with the purpose of making the next level of chemistry easier. We cover most of the topics covered in a first year college chemistry class. **Who should take chemistry?** Anyone wanting to pursue a career in any part of a medical field (nurse, doctor, dental hygienist, dentist, pharmacist, phlebotomist, veterinarian, lab technician), engineering, CSI, fire investigation, brewing, and a whole bunch of other careers. Yes, we blow up a few things as well.

## ADVANCED PLACEMENT (AP) CHEMISTRY AND CHEMISTRY SEMINAR

### AP Chemistry

**Course:** 122131/222131  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 11-12  
**Prereq:** Completion of Chemistry (with an A or B grade highly recommended).  
**Lab Fee:** \$5/Sem.

You will automatically be enrolled into:

### Chemistry Seminar

**Course:** 122141/222141  
**Credit:** .25/Year  
**Offered:** Year  
**Year Taken:** 11-12

After successful completion of regular chemistry, you are invited to enroll in AP Chemistry / Chemistry Seminar. This 2<sup>nd</sup> year is designed to give you the equivalent of a freshman college chemistry course. In the spring, students will have the option of taking the AP Chemistry exam. Colleges may grant semester credit for passing this exam. There are two course components to the class. AP Chemistry and Chemistry Seminar, which will feature the laboratory experience similar to a first-year college chemistry program.

Create a flammable gas with electricity, predict which reactions are spontaneous, determine the shape of molecules, do titrations with strong acids, and predict products of chemical reactions. Once you have taken regular chemistry, more details of the world of matter and energy will be opened for your enjoyment. Enroll in AP Chemistry to explore the underlying principles and structure of what makes up our world.

Students not interested in a science career can benefit from this course by earning college credit towards science electives. This allows students time to focus on their major. Students who enjoy the first year of chemistry may want to take this AP course to open doors to a potential lucrative career in science.

**Course:** 122011/222011  
**Credit:** .5/Sem. or 1.0/Year  
**Offered:** Sem. or Year  
**Year Taken:** 11-12, or 10 with consent of Science 9/10 instructor.  
**Prereq:** Completion of Integrated Biological/Physical Science 9 & 10 or 9/10.  
**Lab Fee:** \$5/Sem.

**Semester 1 is different than Semester 2. Most students take BOTH semesters of Biology Extended.**

**First semester** topics include the incredible world of plants, genetics and the animal kingdom. **The Plant, Cells, Ecology & Skills Unit** discusses the importance of plants to ALL living things. Labs are conducted demonstrating how plants are connected to life on Earth, emphasizing the processes of photosynthesis and transpiration. The fascinating **Genetics Unit** includes understanding the structure of DNA and RNA, including the processes of transcription and translation and the importance of protein synthesis. The **Animal Unit** covers both invertebrates and vertebrates. Students also have the opportunity to dissect animals in the lab with lab partners. **Throughout semester one:** Analysis of real world research and how scientists analyze data is applied to Claim Evidence Reasoning activities. Finally, Wisconsin plants and animals are investigated, developing an awareness and appreciation of the surrounding natural world.

**Second semester** explores the fascinating world of **Human Body Systems** and animal behavior. The Human Body Units investigate organs and tissues of the various systems and how they function (*anatomy and physiology*). Systems studied include digestive, excretory, skeletal, muscular, circulatory, respiratory, nervous, and endocrine systems. Students will also dissect animals in the lab with lab partners. The **Animal Behavior Unit** studies why animals act the way they do and interactions within various animal populations. Some of the high points of second semester include looking at real human skeletons, investigating a crime scene, enzyme titrations and performing several experiments with living animals (*emphasizing how to treat animals humanely and ethically*).

## ADVANCED PLACEMENT (AP) BIOLOGY AND BIOLOGY SEMINAR

**AP Biology**  
**Course:** 122051/222051  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 11-12  
**Prereq:** Completion of 1 full year of Biology Extended.  
**Lab Fee:** \$5/Sem.

You will automatically be enrolled into:

**Biology Seminar**  
**Course:** 122081/222081  
**Credit:** .25/Year  
**Offered:** Year  
**Year Taken:** 11-12

After successful completion of Biology Extended you are able to enroll in AP Biology/Biology Seminar. AP Biology is a course that will foster several Science Practices: Concept Explanation, Visual Representations, Questions and Methods, Representing and Describing Data, Statistical Tests and Data Analysis, and Argumentation.

AP Biology has 4 unifying Big Ideas that will be explored in 8 main units. The units of study include:

- Unit 1: Chemistry of Life
- Unit 2: Cell Structure and Function
- Unit 3: Cellular Energetics
- Unit 4: Cell Communication and Cell Cycle
- Unit 5: Heredity
- Unit 6: Gene Expression and Regulation
- Unit 7: Natural Selection
- Unit 8: Ecology

AP Biology and Biology Seminar will be comprised of laboratory experiences similar to a first-year college biology program. Students will have to design and perform their own experiments.

Students taking AP Biology/Biology Seminar will have the option of taking the AP National Exam. Students are not required to take the National Exam in the Spring. Students may take the course simply to become more career and college ready.

## MEDICAL TERMINOLOGY

**Course:** 122361/222361

**Credit:** .5/Sem.

**Offered:** Semester I or II

**Year Taken:** 11-12

**Prereq:** Junior or Senior. 2<sup>nd</sup> semester Biology Extended recommended.

**Lab Fee:** \$5/Sem.

**Textbook/Workbook Fee:**

Students will be required to purchase their own textbook and have it by the first day of class. Information about the book and where to purchase it will be emailed to students after registration.

**Credit:** Dual Credit-See pg. 6.

Understanding medical terminology is vital for entry in a wide range of professions including those entering the medical coding or billing fields; those seeking careers in the hospital, insurance companies or government agencies; biotechnology research; or those in the legal profession. If you are interested in pursuing a health and science career requiring the ability to communicate with physicians, dentists, or other medical professionals, this class will provide the necessary skills.

You will learn and recognize word roots, prefixes, and suffixes used in medical language today. Combine words to create meaningful medical conditions as well as comprehend their definition. This course will cover medical terms related to all major body systems such as: muscular, circulatory, skeletal, respiratory, digestive, reproductive, endocrine and the urinary system. Vocabulary comes alive through animations, lectures, computer work, speakers, and labs using real organs and dissections.

**Note:** This is a Dual Credit course. Students who successfully complete this course with a 80% or better will be eligible for three (3) transcript credits through NTC. You will also receive 0.5 Science elective credit.








NTC Equivalent Course:

Medical Terminology #10-501-101 (3 credits)

Department: Health

Because the primary purpose of public education is to prepare students to participate in a democratic society, the West Social Studies program focuses on student success in communication, higher order thinking skills, and decision making as well as on the development of civic responsibility and an awareness of cultural diversity. Knowing that students learn and achieve success in a variety of ways and at different times, courses are designed with several phases of instruction and use a variety of assessments. Emphasis is placed on regular student participation in lab activities and on active involvement of all students in frequent small group discussions.

Course Titles	Offered	Year Taken	
U.S. History I	Year	9	
U.S. History II	Year	10	
AP U.S. History	Year	10	
AP European History	Year	10-12	
Economics	Semester I or II	10-12	
Government	Semester I or II	10-12	
World History	Year	11	
Sociology	Semester I or II	10-12	
Intro to Psychology	Semester I or II	11-12	
AP Psychology	Year	11-12	
AP Microeconomics	Semester I	11-12	
AP Macroeconomics	Semester II	11-12	
AP U.S. Government	Year	11-12	

**CIVICS TEST GRADUATION REQUIREMENT:** According to state law, all students must pass a Civics Test to graduate high school. All students will have the opportunity to study for and take the Civics Test in their required Social Studies courses.

## U.S. HISTORY I

**Course:** 123181/223181  
**Credit:** 1.0/Year

This year-long course is required of all freshmen. Students will study early Native American cultures, European exploration and colonization,

**Offered:** Year  
**Year Taken:** 9  
**Prereq:** None  
**Fee:** None

the development of the American Revolution, the U.S. Constitution, U.S. westward expansion, the institution of slavery throughout U.S. history, and the significance of the U.S. Civil War. This course fosters the development of skills needed for future social studies courses. These study skills include note taking, conducting historical research, and analytical writing.

## U.S. HISTORY II

**Course:** 123211/223211  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 10  
**Prereq:** None  
**Fee:** None

U.S. History II covers American history from 1900 to the present, arguably one of the most dynamic and exciting times of our past. During this course, students will examine how the United States has continually adjusted the ideas present in the Constitution as we have faced the Great Depression, two World Wars, and global conflicts including the Cold War and the War on Terror. Focus will be given to social movements and changes of the time period, including civil rights, women's rights, and environmentalism. Students will evaluate how effectively the nation has dealt with a series of crises over the last fifty years and ask how prepared we are to deal with the challenges of the future.

## ADVANCED PLACEMENT U.S. HISTORY

**Course:** 123221/223221  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 10  
**Prereq:** Successful completion of US History I and teacher approval.  
**Fee:** None

Advanced Placement U.S. History is a course designed to offer students the opportunity to critically evaluate our history while developing higher level historical thinking skills. The goal of this college-level course is to prepare sophomore students for the AP exam offered in the spring. Passing the exam offers students the opportunity to earn college credit. This course will take the place of U.S. History II which is the required course for sophomores. AP U.S. History is divided into nine periods where students will examine history from the pre-Columbian period to modern United States events. Students' experience in U.S. History I will serve as a foundation for this course and will establish a recommendation for AP U.S. History. This class will demand self-study, commitment to reading and writing. A genuine interest in history will benefit students greatly in this higher-level course.

**Note:** U.S. History I instructor signature required to take this course

## AP EUROPEAN HISTORY

**Course:** 123291/223291  
**Credit:** 1.0/ Year  
**Offered:** Year  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

Jealous kings, calculating queens, and scheming dukes. Heresies and witchcraft. Collapsing dynasties and rising nations. Pandemics, disease, and pestilence. Colonization, conquest, genocide, and world wars. AP European History will examine how Europe was shaped by disasters and conflict, but also how democracy, science, enlightened thought, and reform movements helped events in Europe shape the world today. This is a class that will appeal to fans of history and tricorner hats. College credit is possible by taking the optional AP exam at the end of the school year.

## ECONOMICS

**Course:** 123041/223041  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

Imagine this: you're hanging out with your friends, it's starting to get late, and you decide it's time to go home. How did you make that decision? What factors did you consider? Economics is the study of the choices we make every day. In Economics, a one-semester course, we will investigate how we make decisions about how we use our resources. If you've ever wondered what caused the 2008 financial crisis or why the mall keeps losing stores, Economics is the class for you. We will look into the basics of understanding economics and economy, how producers and consumers decide the appropriate prices for goods, the stock market, different market structures like monopolies, how the government gets involved in the economy for better or worse, personal financial literacy, and much more. Economics is strongly recommended, but not required, for AP Microeconomics and/or AP Macroeconomics.

**Course meets Financial Literacy requirements as set forth by Wausau School District.**



## GOVERNMENT

**Course:** 123071/223071  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

Government is a semester long course open to grades 10 – 12. What is government? How do communities, states, and countries keep in order? How do things get done? How do decisions get made? These are just some of the questions we will look at in Government. Over the course of the semester, the course will introduce how America works by looking at how and why governments are created, your liberties and rights within the government, as well as the political institutions within government. Also, you will look at developing your own political beliefs as we discuss and debate current news events, political issues, and social problems as a basis for understanding what it means to be an American today. Finally, after looking at the structure of our government, we will apply what we have learned to the understanding of key American issues and policies, both foreign and domestic.

## WORLD HISTORY

**Course:** 123241/223241  
**Credit:** 1.0/Year

This year-long course is required of all juniors. World History provides a panoramic view of our world through the ages. The

**Offered:** Year  
**Year Taken:** 11  
**Prereq:** None  
**Fee:** None

course is a balance between European, Asiatic, Latin American, and African history. Each unit focuses on the development and significance of the history and culture of the time period studied. The major objective of the course is to provide an understanding of today's world by viewing selected areas of the world, such as Latin America, Africa, the Middle East, China, South Asia and Europe. Francois Rabelais once wrote: "Then I began to think, that it is very true which is commonly said, that the one-half of the world knoweth not how the other half liveth." Upon completion of this course, the student will have explored "how the other half liveth".

## SOCIOLOGY

**Course:** 123271/223271  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None

Sociology is a semester long course that investigates the study of human behaviors. This course also examines the interactions between groups and institutions within our society. If you are interested in understanding the patterns of human interdependence that shape your daily life, then Sociology is a course for you. Sociology will help develop understandings and skills needed to work with others to solve problems and analyze information. These skills are recognized by employers as being important in the work setting and will serve you well in the career path of your choice.

## INTRO TO PSYCHOLOGY

**Course:** 123131/223131  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** None

Psychology is everywhere! Understanding how and why we think, feel, and act like we do are insights that anyone can use in everyday life. This semester-long course is designed to introduce students to the field of Psychology and its practical applications. This survey course will include: introduction/research, sensation & perception, learning, development, personality, and Social Psychology. Come see what Psychology is all about!

## AP PSYCHOLOGY

**Course:** 123141/223141  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 11-12  
**Prereq:** None  
**Fee:** None

Who are we, and why do we do the things we do? There are so many facets to human behavior. The brain, genetics, childhood, learning, thinking, intelligence, motivation, emotion, personality, culture, gender and society are all factors in who we are, and who we will become. This course covers all these topics in addition to research methods, sensation and perception, stress and states of consciousness and abnormal psychology. This is a college-level course designed to help you understand both how Psychology is studied, as well as what the field has uncovered regarding human and animal behavior. Further, you will apply what you have learned to major issues in society today. This course is designed to earn you credit on the AP exam and to give you experiences that will help prepare you for your post-secondary life. Most importantly, it will get you to think about yourself and others around you in meaningful ways.



## AP MICROECONOMICS

## SPECIAL EDUCATION

**Course:** 123321  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 11-12  
**Prereq:** Economics is recommended but not required.  
**Fee:** None

AP Microeconomics is a one-semester course offered during the 1<sup>st</sup> semester. It may be taken prior to AP Macroeconomics or as a stand-alone AP class. The course focuses on a college level study of Microeconomic concepts, including marginal costs/benefits, supply and demand, elasticity, structure of markets, welfare analysis, consumer and producer surplus, externalities and the role of government, total cost, output, revenue, and game theory. Students will have the opportunity to obtain 3-5 college credits for Microeconomics by passing the AP test.



## AP MACROECONOMICS

**Course:** 223321  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 11-12  
**Prereq:** Economics is recommended but not required.  
**Fee:** None

AP Macroeconomics is a one-semester course offered during the 2<sup>nd</sup> semester. It may be taken after AP Microeconomics or as a stand-alone AP class. The course focuses on a college level study of Macroeconomic concepts, including international trade, currency exchange, production possibilities and trade-offs, supply and demand, measures of economic performance, the circular flow of goods and services, fiscal and monetary policy, money and banking, productivity and unemployment, budget deficits and inflation, and supply/demand side economic policies. Students will have the opportunity to obtain 3-5 college credits for Macroeconomics by passing the AP test.



## AP U.S. GOVERNMENT

**Course:** 123281/223281  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 11-12  
**Prereq:** Junior or Senior  
**Fee:** None

This rigorous year-long course parallels a college level Introduction to the U.S. Government course. Students may earn college credit upon successful completion of the AP Exam in May. AP U.S. Government introduces students to key political ideas, institutions, policies, interactions, roles and behaviors that characterize the political culture of the United States. Students will learn how to assess causes and consequences of political events and interpret data to develop evidence-based arguments. Throughout the year, you will develop your own political beliefs as we discuss and debate current events, political issues, and social problems as a basis for understanding how our governmental system works today.

Students identified as having special education needs will be assigned a case manager. An Individual Educational Plan (IEP) will be jointly written by the parents, student, special education teacher, regular education teacher, administrative designee and others involved in the student's program. Course selection and graduation requirements will be determined within the Special Education network.

**Please contact the Special Education Dept. Leader for information regarding course offerings.**

## **BUSINESS CORE**

**Course:** 114041  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 9-12  
**Prereq:** Consent of Counseling and/or Special Education Department.  
**Fee:** None

This course is designed for students who need instruction in basic keyboarding. Areas of study to include career exploration, employment skills, and consumer information, as well as software programs, which include Google Drive and Microsoft Word. Keyboarding of class assignments using the correct format will be included such as writing reports and papers.

Note: Student must successfully complete Business Core semester 1 or a Keyboarding class to advance to Today's Tech Trends Core semester 2.

This course is also listed on page 53 of the handbook.

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## **LIFETIME PURSUITS**

**Course:** I 134281/234281  
II 134291/234291  
**Credit:** .25/Sem.  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Teacher Recommendation Only.  
**Fee:** None

Specially Designed Physical Education. This course is IEP driven, designed to meet the unique needs of each student. The focus will be put on lifetime activities such as swimming, bowling, adventure education, curling and fitness related activities.

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## **SPORTS AND SKILLS**

**Course:** 134271/234271  
**Credit:** .25/Sem.  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Teacher Recommendation Only.  
**Fee:** None

Specially Designed Physical Education. This course is IEP driven, designed to meet the unique needs of each student. The class is fitness-based teaching the components of fitness, as well as helping students to understand their fitness needs, and design plans accordingly. Students will also learn appropriate game play, stressing teamwork and cooperation along with overcoming challenges of self and others in participation.

## RESOURCE

**Credit:** .5/Sem.  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Consent of Special Education Teacher.  
**Fee:** None

This course is designed for students who have an Individual Education Plan (IEP). Daily scheduled time varies based on specific student needs. Individual student goals are addressed during this structured individual and small group instruction time.

## WORKPLACE READINESS

**Course:** 234301  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** Consent of Special Education Teacher, EL Teacher or Administration.  
**Fee:** None

This semester-long course will focus on employability skills including critical thinking, workplace ethics, responsible behavior, completion of job applications, interviewing skills and workplace etiquette. There will be a classroom component and hands-on opportunities to build and reinforce skills in a workplace setting. The main focus is to provide instruction to strengthen individual employability skill sets.





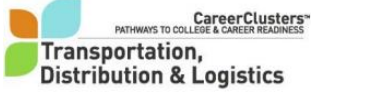
## PAES LAB

**Course:** 127011/227011  
**Credit:** .5/Sem.  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** Consent of Special Education Teacher, EL Teacher or Administration.  
**Fee:** None

Specially Designed Pre-Vocational Job Training. This course is designed for students with an IEP to provide real life job experience in the following areas; Construction/Industrial, Processing/Production, Consumer/Service, Business/Marketing, and Computer/Technology. The focus of this course is to develop independence in the workplace and employability skills.

## TECHNOLOGY AND ENGINEERING EDUCATION

Technology and Engineering Education courses provide application to core curriculum, enhance technological literacy and develop career awareness. Students participate in hands-on, problem-solving activities throughout a wide variety of course offerings. The learning experiences in TEE courses offer hands-on/minds-on opportunities for students to solve a variety of real-world problems with cutting-edge and traditional technologies. Technology and Engineering Education, furthermore, provides students with the opportunity to apply Math, Science, and other academic subjects in a stimulating atmosphere utilizing knowledge, tools, and skills.

Course Titles	Offered	Year Taken	
MANUFACTURING TECHNOLOGY			
Metals – Material Processes	Semester I	9-12	
Metals II – Intro to Machine Shop	Semester II	10-12	
Introduction to Welding	Semester I	10-12	
Woods – Material Processes	Semester II	9-12	
Woods II – Fundamentals of Furniture Manufacturing	Semester I	10-12	
Advanced/Warrior Manufacturing	Year	11-12	
BUILDING TRADES			
Building Trades I: Rough Framing	Semester I	10-12	
Building Trades II: Finish Carpentry	Semester II	10-12	
Geometry in Construction	Year	9-12	
COMMUNICATIONS			
Graphic Communications I	Semester I or II	9-12	
Graphic Communications II	Semester II	9-12	
Graphic Communications III	Year	12	
PROJECT LEAD THE WAY (Pre-Engineering Academy)			
Fab Lab 1: Intro to Engineering, Design and Manufacturing	Semester I	9-12	
Fab Lab 2: Introduction to Engineering, Design and Automation	Semester II	9-12	
Fab Lab 3: Introduction to CAD	Semester II	10-12	
Principles of Engineering	Year	10-12	
Engineering Design & Development	Year	11-12	
TECHNOLOGY/AUTOMOTIVE			
Introduction to Power Mechanics	Semester II	9-12	
Auto Awareness (East HS)	Semester I or II	10-12	
Occupational Mechanics I (East HS)	Year	10-12	
Occupational Mechanics II (East HS)	Year	12	
Auto Academy (NTC)	Year	12	
YOUTH APPRENTICESHIP PROGRAM			
Architecture and Construction	One or Two Years	11-12	See page 59
Graphic Design/Printing	One or Two Years	11-12	See page 59
Manufacturing	One or Two Years	11-12	See page 62
Science, Technology, Engineering and Math (STEM)	One or Two Years	11-12	See page 62
Transportation, Distribution and Logistics	One or Two Years	11-12	See page 63

# TECHNOLOGY AND ENGINEERING EDUCATION PROGRAM SEQUENCING

## **Automotive Technology**

Introduction to Power Mechanics  
~ Auto Awareness  
~ + Occupational Mechanics I  
~ + Occupational Mechanics II  
Auto Academy

## **Manufacturing Technology**

Metals & Material Processes  
Woods & Material Processes  
+ Introduction to Welding  
+ Metals II – Intro to Machine Shop  
+ Woods II – Fundamentals of Furniture Manufacturing  
+Advanced Manufacturing

## **Building Trades**

+ Building Trades I: Rough Framing  
+ Building Trades II: Finish Carpentry  
+ Geometry in Construction

## **Communications Technology**

+ Graphic Communications I  
+ Graphic Communications II  
+ Graphic Communications III

## **Engineering/Project Lead the Way**

^ Fab Lab 1: Introduction to Engineering, Design and Manufacturing  
^ Fab Lab 2: Intro to Engineering, Design and Automation  
^ Fab Lab 3: Introduction to CAD  
^ Principles of Engineering (POE)  
^ Civil Engineering & Architecture (CEA)  
^ Engineering Design & Development (EDD)

## **Youth Apprenticeship Program Coursework**

### **Arts, A/V Technology and Communication**

+ Graphic Communications I, II  
+ Graphic Communications III

### **Drafting/Mechanical Design Engineering**

^ Principles of Engineering (PLTW-POE)  
**plus** one specialty PLTW course

### **STEM**

^ Principles of Engineering (PLTW-POE)  
**plus** one specialty PLTW course

### **Architecture/Construction**

+ Building Trades I/II  
+Geometry in Construction  
*or*

^ Principles of Engineering (PLTW-POE)  
**plus**

^ Civil Engineering & Architecture (PLTW-CEA)

### **Manufacturing**

+ Introduction to Welding and/or  
+ Intro to Machine Shop  
+Advanced Manufacturing

### **Transportation, Distribution & Logistics**

~ Occupational Mechanics I  
~ Occupational Mechanics II

~ Course taught at Wausau East High School  
+ Dual Credit through Northcentral Technical College  
^ College Credit through Rochester Institute of Technology



# TECHNOLOGY AND ENGINEERING EDUCATION COURSE OFFERINGS



NTC Logo = Dual Credit Possible. See page 6 and/or the Technology and Engineering Education Department Chairperson for further information.

## MANUFACTURING TECHNOLOGY



### METALS - MATERIAL PROCESSES

**Course:** 124171  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** No fee

This course is designed as an introduction to manufacturing processes, careers and applications. Student experiences include completing projects in precision measurement, blueprint reading, machining (lathe, milling, drill press, grinder, and band saw machines), sheet metal work, welding, CNC (computer numeric control) applications, and career research.

### METALS II – INTRO TO MACHINE SHOP

**Course:** 224291  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** Metals-Material Processes  
**Fee:** No fee  
**Credit:** Dual Credit-See pg. 6.

Learners will focus on shop safety guidelines and become familiar with common machine shop equipment. Focus will be on drill press, power saw, elementary lathe and mill operations and pedestal grinding machines. Learners will gain knowledge in layout tools and procedures and the proper use of hand tools in the shop. **In addition, students who successfully complete the class will also receive two dual credits through NTC.**



NTC Equivalent Class:  
 Intro to Machine Shop #10420101 (2 credits)  
 Department: Machine Shop

### INTRODUCTION TO WELDING

**Course:** 124491  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** Metals-Material Processes  
**Fee:** No fee  
**Credit:** Dual Credit-See pg. 6.

This course provides an introduction and hands-on exposure to each of the major welding processes. Related safety and in depth fundamentals of SMAW (STICK), GMAW(MIG), FCAW, GTAW(TIG), and Oxy-Fuel and Plasma cutting will be covered. **Students who successfully complete this course will receive two Dual Credits through NTC.** This course is counted as the first course in **NTC's diploma and certificate welding programs.** It will also satisfy the **welding requirement for NTC's automotive and machine tool programs.**



NTC Equivalent Class:  
 Introduction to Welding #10-442-101 (1 credits)  
 Department: Welding

## WOODS - MATERIAL PROCESSES

**Course:** 224471  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** No fee

This course is designed to give students insight into the technologies applied in the manufacturing of wood products. Throughout the course, students will learn how to safely use hand tools, powered hand tools, and stationary shop equipment. Students will have the opportunity to complete several projects that highlight the entire manufacturing process from raw material to finished product.

## WOODS II - FUNDAMENTALS OF FURNITURE MANUFACTURING

**Course:** 124541  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** Woods-Material Processes  
**Fee:** No fee  
**Credit:** Dual Credit-See pg. 6.

This course is designed to provide the foundational knowledge and skills related to wood furniture manufacturing. Students will be learning new skills as well as building upon skills learned in Woods and Materials Processes. Topics covered include: furniture design styles, sourcing raw material for projects, tool selection, machine operation, joinery, and furniture construction. Students will be using the skills and concepts learned in the classroom to design and build a piece of furniture for the final project. **In addition, students who successfully complete the class will also receive two dual credits through NTC.**



NTC Equivalent Class:  
 Fundamentals of Furniture Manufacturing #10-465-119 (2 credits)  
 Department: Wood Technology

## ADVANCED/WARRIOR MANUFACTURING

**Course:** 124281/224281  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 11-12  
**Prereq:** Two previous manufacturing courses + Fab Lab 1/2 recommended.  
**Fee:** No fee

Warrior Manufacturing is the capstone experience offered within the manufacturing sequence. This year-long course is designed to function as a business in which students are responsible for every facet of the organization. Students enrolled in Warrior Manufacturing will explore in depth various manufacturing careers, manufacturing processes, and materials. Activities may include advanced woodworking and metalworking machining applications, computer controlled machining, advanced welding applications such as TIG (stainless and aluminum) and welding joinery, and advanced sheet metal pattern layout.

## BUILDING TRADES

### BUILDING TRADES I: ROUGH FRAMING

**Course:** 124401  
**Credit:** .5/Sem.  
**Offered:** Semester I  
**Year Taken:** 10-12  
**Prereq:** Woods-Material Processes recommended.  
**Fee:** No fee

This intermediate level course offers students a chance to develop construction related knowledge and application. Students will construct various wall systems while focusing on construction safety, standard building practice, mechanical systems, and interior/exterior finishing applications. Specific activities include building wall sections, installing electrical and plumbing components/fixtures, applying interior/exterior finishes (drywall, paneling, siding, etc.), and various other construction and home maintenance skills. **Students who successfully complete this course will receive Industry Certification through the North Central States Regional Council of Carpenters.**

### BUILDING TRADES II: FINISH CARPENTRY

**Course:** 224411  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** Building Trades I  
**Fee:** No fee

Building Trades II: Finish Carpentry is meant to serve as a next step beyond the class Building Trades I: Rough Carpentry. The class will cover various skills, systems and applications found in residential building systems. Concepts covered will include: finish carpentry, interior trim, window and door installation, siding, roofing and drywall, as well as HVAC, plumbing and electrical systems.

### GEOMETRY IN CONSTRUCTION

**Course:** 124451/224451  
**Credit:** 2.0/Year (1.0 Math & 1.0 Elective Credit)  
**Offered:** Year  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** No fee

In this course students will be exposed to construction careers such as engineering, architecture, construction management, interior design, landscape architecture, and surveying. Students will learn safety, problem solving, tool use, and drawing interpretation and understand the interrelation of geometry in construction. Students will use coordinate geometry in the study of area, perimeter, volume, transformations, congruence, and functions. The class will be taught by both a Math and Technology & Engineering Education teacher so that students experience the connections between construction and geometry. Successful completion of this course will result in the required 1.0 math credit for Geometry and a 1.0 elective credit.

**This course is pending approval by the NCAA Eligibility Center as a core math course.**

*This course is also listed on page 91 of the handbook.*



# COMMUNICATIONS TECHNOLOGY



## GRAPHIC COMMUNICATIONS I

**Course:** 111071/211071

**Credit:** .5/Sem.

**Offered:** Semester I or II

**Year Taken:** 9-12

**Prereq:** None

**Fee:** No fee

**Credit:** Dual Credit-See pg. 6.

Explores Adobe Photoshop as a tool to create, adjust and manipulate images for print and web. Special attention is given to image manipulation techniques, color/tonal correction, resolution and output issues. Familiarity with Macintosh operating system suggested. **In addition, students who successfully complete the class will also receive two dual credits through NTC.**



NTC Equivalent Class:

Photoshop/Image Manipulation #10-204-126 (2 credits)

Department: Graphic Communications Technology

## GRAPHIC COMMUNICATIONS II

**Course:** 211081

**Credit:** .5/Sem.

**Offered:** Semester II

**Year Taken:** 9-12

**Prereq:** Graphic

Communications I

**Fee:** No fee

Graphic Communications II is a project-based course which applies advanced techniques in Photoshop, InDesign, Premiere, PowerPoint, Illustrator, and digital photography. Student projects will include shirt design and creation, laser engraving, vinyl decal design and production, poster design, and a class design/marketing/production project.

## GRAPHIC COMMUNICATIONS III/WARRIOR GRAPHICS

**Course:** 111091/211091

**Credit:** 1.0/Year

**Offered:** Year

**Year Taken:** 12

**Prereq:** Graphic  
Communications I & II

**Fee:** No fee

Warrior Graphics is the capstone level advanced Graphic Communications class. It is the final course offered in the Graphics Communications sequence. This course is designed for those students who are interested in a career in the Graphics Communications industry. Skills learned in the first two courses of the Graphics Communications sequence will be applied to produce a model of the graphics industry in the classroom. Students will be designing, marketing, and producing products. Students will be mirroring production methods used in industry. Students in this course will be doing hands-on learning as they work through these production methods.

## PROJECT LEAD THE WAY



### FAB LAB 1: INTRODUCTION TO ENGINEERING, DESIGN AND MANUFACTURING

**Course:** 124461  
**Credit:** 0.5/Sem.  
**Offered:** Semester I  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** No fee

This course is intended for students who are interested in developing knowledge and skills in digital fabrication, technology integration and “making”. The intent of this course is to provide students a hands-on, project-based learning experience that gives them several opportunities to make projects that incorporate various pieces of technology while introducing the world of Engineering and Design. Students will use several software platforms including: 2D and 3D CAD (computer aided design) and CAM (computer aided manufacturing). Students will also have experience with 3D printers, laser engravers, graphic design technology, and CNC (computer numeric control) machining equipment.

### FAB LAB 2: INTRODUCTION TO ENGINEERING, DESIGN AND AUTOMATION

**Course:** 224461  
**Credit:** 0.5/Sem.  
**Offered:** Semester II  
**Year Taken:** 9-12  
**Prereq:** Fab Lab 1 recommended but not required.  
**Fee:** No fee

This course is intended as a continuation of Fab Lab 1 and the introduction to Engineering and Design. This class will have an emphasis on robotics, automation and introductory programming and their role in modern manufacturing. Technology integration will be a main focus of the class as students will have experiences with tabletop robotic arms, automated manufacturing lines, and CNC (computer numeric control) machining equipment.

**Note:** Students that take both Fab Lab 1 and Fab Lab 2 can qualify for the opportunity to earn college credit through PLTW. Please contact Theran Peterson, Technology Education Department Chair for more information.

### FAB LAB 3: INTRODUCTION TO ENGINEERING, DESIGN AND AUTOMATION

**Course:** 224371  
**Credit:** 0.5/Sem.  
**Offered:** Semester II  
**Year Taken:** 10-12  
**Prereq:** None but Fab Lab 1 & II recommended  
**Fee:** No fee

**Course Description:** Fab Lab 3: Introduction to CAD/CAM is designed for sophomore through senior students who are interested in further expanding knowledge and skills in computer aided design and manufacturing. During this class, students will engage in many aspects of technical drawing documentation. Students will utilize AutoCAD (2D design software), Inventor (3D solid modeling software), InventorCAM (computer aided manufacturing software) and Vectric Aspire/V-Carve (post processor) to generate solutions, develop working drawings, create visual models, and construct prototypes for posed design problems. Students will also engage in proper research, design, problem-solving, communication and decision making skills to formulate/complete individual and group projects, create written and oral presentations, and collaborate with others to cooperatively solve problems in the computer aided design world.

**PRINCIPLES OF ENGINEERING (PLTW-POE)****Course:** 124271/224271**Credit:** 1.0/Year**Offered:** Year**Year Taken:** 10-12**Prereq:** Fab Lab 1/2 recommended but not required.**Fee:** No fee**Credit:** College credit through PLTW.

Principles of Engineering (POE) is the second course offered within the Project Lead the Way (PLTW) curriculum. This year-long course is designed to further students' understanding in the field of engineering/technology. Students enrolled in POE will explore various technological systems, manufacturing processes, and how engineers/technicians use math, science and technology in an engineering problem solving process to benefit people. Activities that provide the foundation of POE include: study of mechanisms, energy, electrical/fluid systems; exploration of material properties, statics, strength, testing; survey of control systems and introductory robotics. The course also includes concerns about social and political consequences of technological change.

**Note:** Course can fulfill 1 credit toward high school graduation requirements as a non-lab science. This course will not count as a lab science requirement for college admission. Please refer to admissions requirements from individual post-secondary institutions or contact Theran Peterson, Technology Education Department Chair, for more information.



**Students who successfully complete this course may receive dual credit through UW Green Bay.**

**ENGINEERING DESIGN & DEVELOPMENT (PLTW-EDD)****Course:** 124261/224261**Credit:** 1.0/Year**Offered:** Year**Year Taken:** 11-12**Prereq:** Fab Lab 1/2 & one other PLTW class strongly recommended.**Fee:** No fee

In this capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel.

## AUTOMOTIVE TECHNOLOGY



### INTRODUCTION TO POWER MECHANICS

**Course:** 224441  
**Credit:** .5/Sem.  
**Offered:** Semester II  
**Year Taken:** 9-12  
**Prereq:** None  
**Fee:** No fee

This course is designed for students who are interested in exploring the use of energy, its relationship to power and transportation, and its importance to our society. During this class, students will examine the various sources and forms of energy; explore the transmission and control of power systems, examine small engine theory of operation and its application to drive systems. Student experiences include: observing, troubleshooting, and applying two and four-cycle engine theory.

### AUTO AWARENESS (EAST HS)

**Course:** 124071/224071  
**Credit:** .5/Sem.  
**Offered:** Semester I or II  
**Year Taken:** 10-12  
**Prereq:** None  
**Fee:** No fee

This course covers basic systems of the automobile. Units of instruction include: tools, auto products, ignition, fuel, electrical, cooling, general maintenance, interior/exterior care, and new/used car purchasing. This course provides a theory of operation and practical lab experiences for the automobile owner. Driver's License and access to a vehicle strongly recommended.

**Note:** Family/student is responsible for transportation to and from this class at Wausau East.

### OCCUPATIONAL MECHANICS I (EAST HS)

**Course:** 124181/224181  
**Credit:** 1.0/Year  
**Offered:** Year  
**Year Taken:** 10-12  
**Prereq:** Introduction to Power Mechanics and/or Auto Awareness and/or Instructor's Consent.  
**Fee:** No fee  
**Credit:** Dual Credit-See pg. 6.

An occupational preparation course that develops job entry level skills in: Basic maintenance, Electronics, Brakes I, and Auto Tune-up. The students will have the opportunity to work on their own vehicle repairs. This course is based on hands-on lab activities, supported by classroom operational theory of automotive systems. **Students who successfully complete this course will receive dual credit through NTC.**



NTC Equivalent Class:  
 Auto Service Fundamentals #10-602-107 (2 credits)  
 Department: Tech & Trades

**Note:** Family/student is responsible for transportation to and from this class at Wausau East.

## OCCUPATIONAL MECHANICS II (EAST HS)

**Course:** 124201/224201

**Credit:** 2.0/Year

**Offered:** Year

**Year Taken:** 11-12

**Prereq:** Occupational Mechanics I. Metals-Materials Processes is also required however it may be taken simultaneously with Occupational Mechanics I.

**Fee:** No fee

**Credit:** Dual Credit-See pg. 6.

This class is a continuation of Occupational Mechanics I. The course develops entry level skills/competencies in the following ASE (National Institute for Automotive Service Excellence) areas: Suspension & Steering, Brakes, Electrical/Electronic Systems, and Engine Performance. Time will be spent both in class and at the AYES jobsite (where applicable). In the lab and at the AYES jobsite (where applicable) students will gain hands-on experience with state-of-the-art tools and large-scale diagnostic/repair equipment, develop employability skills and spend time developing a good resume. Lab work will be performed mainly on late model donated vehicles; however, students will have the opportunity to work on their own vehicle repairs. **Students who successfully complete this course will receive dual credit through Fox Valley Technical College.**



FVTC Equivalent Class:

Introduction to Diesel Technology #10-414-102 (4 credits)

**Note:** Family/student is responsible for transportation to and from this class at Wausau East.

## AUTO ACADEMY (NORTHCENTRAL TECHNICAL COLLEGE)

**Course:** 124691/224691

**Credit:** 2.5/Year

**Offered:** Year

**Year Taken:** 12

**Prereq:** Auto Awareness, Intro Power Mechanics, Occupational Mechanics I & II.

**Fee:** No Fee

**Credit:** Dual Credit-See pg. 6.



Students who successfully complete the prerequisite transportation classes may be eligible to participate in NTC's Auto Academy during their senior year of high school. Academy coursework will be taught on campus at NTC by NTC instructors. The Auto Academy will prepare you to be workforce-ready through Youth Apprenticeship at area businesses, and you will earn an Automotive Maintenance & Light Repair Technical Diploma. All credits (a tuition value of \$1800) transfer to NTC associate degrees or technical diplomas, so you will have a jump start to continue your education after high school. **Students who successfully complete this course will receive dual credit through NTC.**

**Note:** Family/student is responsible for transportation to and from this class at NTC.

## W.A.V.E. VIRTUAL COURSE OFFERINGS

Junior and senior students may request up to two classes through the Wausau School District's virtual course catalog. Students should talk with their school counselor if they are interested in pursuing this option.

Wausau School District virtual courses are offered in partnership with Wausau Area Virtual Education (WAVE), the District's virtual charter school. WAVE courses are delivered asynchronously and content (designed for virtual instruction) is available to students 24/7. Teachers in each course will share office hours for synchronous learning and personalized instruction. Students may be required to meet synchronously in person, on Google meets, or by phone as required by the instructor for assessments, clarification of content, etc. Students must have a growth mindset, as teacher feedback may require continued learning by a student to reach mastery. Students are expected to stay on pace with their assignments and to communicate with their instructors on a regular basis. Students will complete virtual coursework on a day/time that fits their personal schedule – keeping in mind that the assignment pacing guide should be adhered to for successful completion of the course.

### FREQUENTLY ASKED QUESTIONS

Q: How will courses be scheduled?

Virtual courses will not appear on a student's weekly schedule. The student needs to manage time appropriately each week to stay on pace with virtual course assignments and expectations. The content is available 24/7. Students may work on their virtual course during unscheduled time during the day, in the evenings, or on weekends.

Q: What reasons would I have for taking a virtual course?

Reasons are unique and will vary, but may include; more flexibility in a student's traditional schedule, course is not offered in brick and mortar, student learning style, college/career preparation, etc.

Q: What reasons would I have for *not* taking a virtual course?

Students who struggle with time management, communication, or whose learning styles are better suited for traditional instruction may not be good candidates for virtual course offerings.

Q: Will this course be part of my GPA?

Yes. Virtual courses are treated the same as in-person courses on a student's transcript.

Q: What if I change my mind?

Students have the opportunity to drop a virtual course and replace it with an in-person course without penalty within the first two weeks of the semester; however, brick and mortar replacement classes will only be available as space permits.

Q: What if I have more questions?

Begin by learning more about virtual course offerings by visiting the WAVE website: [www.wsdwave.org](http://www.wsdwave.org). Next, connect with your school counselor who will provide further guidance.

Q: How do I register for a virtual course?

Talk to your school counselor about next steps.

# WAUSAU WEST HIGH SCHOOL CO-CURRICULAR CLUBS AND ACTIVITIES

## 2024-2025

Wausau West offers a multi-dimensional program of activities and athletics for students of all ages, interests and ability levels. A summary of these programs is listed below.

If you have any questions or concerns, please contact the Activity/Athletic Director of Wausau West High School, Jason Foster, at 261-0874.

### **EXTRA-CURRICULAR SPORTS:** 14 Boys' Programs, 17 Girls' Programs, 31 Total

#### FALL ATHLETICS

Boys: Cross Country, Football, Soccer

Girls: Cheer, Cross Country, Golf, Swimming, Tennis, Volleyball

#### WINTER ATHLETICS

Boys: Alpine Skiing, Basketball, Curling, Hockey, Nordic Skiing, Wrestling

Girls: Alpine Skiing, Basketball, Cheer, Curling, Hockey, Nordic Skiing, Wrestling

#### SPRING ATHLETICS

Boys: Baseball, Golf, Lacrosse, Tennis, Track

Girls: Soccer, Softball, Track, Lacrosse

**\$50 Athletic User Fee per sport/season/year (Lacrosse \$75 & Cheer \$100 uniform fee. Golf boys/girls and additional \$75 range fee)**

### **FINE ARTS PROGRAM:** 3 Programs

Drama and Music

School Play: Fall, Spring

West Jazz Band: Winter/Spring

Pop Concert: Spring

### **SCHOOL CLUBS AND ACTIVITIES:**

Archery Club	French Forensics (Concours Oral)	Prom Committee
Astronomy Club	French National Honor Society	Publications Staff (Yearbook/Magazine)
Dance United	German Club	Raise Your Voice
DECA (an Assoc. of Marketing Students)	International Club	Robotics Team
Drama Club	Jazz Band	Science Olympiad
Earth Club	Key Club International	Spanish Club
Educators Rising	Link Crew	SkillsUSA
Esports Team	Master Singers	Spanish Club
FCCLA (Family Career & Community Leaders of America)	Math Club	Student Council
FCA – Fellowship of Christian Athletics	Mock Trial	Warrior Power
FFA Club	National Honor Society	Winter Gala Dance Committee
Forensics	Peyton's Promise Leadership Group	
French Club	Pop Concert	

## WAUSAU WEST HIGH SCHOOL CLUBS AND ACTIVITIES

**Archery Club:** The purpose of this club is to allow students to learn, practice, and enjoy the sport of archery. The archery club will provide information about other archery programs in the area. Members may have the opportunity to compete in Club competitions or National Archery in the School Program (NASP) competitions.

**Astronomy Club:** A student lead group that uses the planetarium for their exploration of the universe and fun.

**Dance United:** The Dance United Club gives students a chance to creatively express themselves through the art of break-dancing. The club has seasoned veterans and brand-new participants as well. Students of any skill level are welcome to attend, learn, and participate.

**ACTIVITY FEE: \$5**

**DECA** (an Association of Marketing Students): DECA is a co-curricular, student-centered organization specifically designed to provide activities that will motivate students to learn marketing competencies that will prepare them to become skilled, employable workers in marketing, management and entrepreneurship related careers. DECA opens a window of social opportunities while helping to build leadership skills. Students also have the opportunity to compete in marketing related careers areas at District, State, and National levels. DECA students travel all over the U.S. to participate in many activities. **ACTIVITY FEE: \$25**

**Drama Club:** The goal of the Drama Club is to:

- Improve stage presence/skills through participation in various theater games, acting exercises, and guest speakers/demonstrations.
- Enhance appreciation of theater arts by viewing productions, both live and recorded.
- Have a voice in the planning of future drama events/productions at West.
- Participate in fundraising and community service projects.

Watch for meeting times on the school message system. Anyone may participate.

**Earth Club:** No, we don't just sit around and talk about recycling! Most of our activities involve having fun outdoors, learning about nature and leading conservations efforts at Wausau West. The idea is to educate and inspire an appreciation for the environment. Activities are designed to promote education, leadership, service to the school and community and have fun doing outdoor activities. Students have participated in service projects like river and school cleanup, tree planting, and school forest winter fun day. Outdoor adventure activities include: hiking, biking, tubing, and camping trips

**Esports Team:** The Wausau West Esports Team competes with other high schools around the state as a part of the Wisconsin High School Esports Association (WIHSEA). The WIHSEA currently offers the following games to compete in: League of Legends, Rocket League, Overwatch and Super Smash Bros Ultimate. Come join our team and prove you're the best!

**FCCLA:** \* Family Career and Community Leaders of America is a nonprofit national career and technical student organization for young men and women in Family and consumer Sciences Education.

\*Focus on a variety of youth concerns, including teen pregnancy, parenting, family relationships, substance abuse, suicide, peer pressure, environment, nutrition and fitness, teen violence and career exploration.

\*Promote growth and leadership development through family and consumer science education.



**FCA:** Fellowship of Christian Athletes promotes positive values to influence self-esteem with athletics. Bible study orientated with athletic emphasis.

**FFA:** TRAVEL! SCHOLARSHIP! CAREER SKILLS! LEADERSHIP! Discover the edge that FFA provides to 17,000 students in Wisconsin. FFA is a leadership organization for anyone interested in agriculture and making a difference. Do you like plants, animals, and the great outdoors - then you have an interest in agriculture! Our students can participate in travel opportunities like the National Convention in Louisville Kentucky, leadership workshops, develop skills in an agricultural career, and do a variety of community service projects. Some projects you might recognize are the Wisconsin River Clean Up or Food for America, where high school students teach fourth graders about agriculture in our state at a day on a local farm. Students also landscape in the community, work with other FFA chapters in the area and state and can participate in judging events like equine or forestry. Come discover the difference FFA can make for you! **ACTIVITY FEE: \$25**

**Forensics Team:** The Forensics Team is for students who want to improve their public speaking skills. Students attend competitions in which they are judged on the material they have prepared. Some categories students may compete in include play-acting, radio speaking, prose, poetry and speeches they have written. **ACTIVITY FEE: \$25**

**French Club:** French Club promotes the French language and culture. Students travel to local elementary schools to provide fun activities to get students interested in learning languages. French Club also has social events which include movie nights, waffle and crepe parties. The Club also does fundraising to take a bus every spring to the Stevens Point Culture Fest. The year ends with a spectacular French dinner at a local restaurant.

**French Forensics (Concours Oral):** The Concours Oral is where students may choose to compete in one of six different French speaking categories. These categories include Poetry Reading, Extemporaneous Prose Reading, Extemporaneous Conversation, Théâtre de Chambre, Reader's Theatre or Music Performance. After competing at the regional level, students who receive scores of A or B may participate at the state level.

**French National Honor Society:** La Societe Honoraire de Francais was established through presidential order by the AATF in 1949. The aim of this organization is:

- to stimulate interest in the study of French
- to promote high standards of scholarship
- to reward scholastic achievements
- to create enthusiasm for and an understanding of Francophone culture and civilization
- to promote and perpetuate international friendship
- to reward efforts toward furthering solidarity in the French-speaking world.

**German Club:** The German Club meets as often as needed to plan fundraisers and trips. The fundraisers consist of selling Advent calendars during the holiday season and selling German candy, "softy chews". All money earned goes towards our trip to a restaurant where we are served German specialties, movie nights, t-shirts, etc.

**International Club:** The International Club is open to all students of all ethnic backgrounds. We participate in community service activities and attend events like the Festival of Nations in St. Paul. We serve to support all students in the global community. New members or interested visitors are welcome at any meeting.

**Jazz Band:**

- \*Performance of jazz
- \*Audition is required
- \*Occasional trips to festivals and local schools
- \*Concert in April

**ACTIVITY FEE: \$25**

**Key Club:** Key Club is a student-run service organization sponsored by the Kiwanis. Meetings are held twice a month before and after school. Key Club members volunteer for a variety of projects, helping in the school, Wausau area, and global community. Key Club is active throughout the year and new members are always encouraged to join.

**National Organization Fee: \$15**

**Link Crew:** Link Crew is a transition program that helps freshmen throughout the first year of their high school experience. Juniors and seniors, selected by West faculty, serve as Link Crew Leaders. As positive role models, Link Leaders guide the freshmen to discover what it takes to be successful in high school.

**Master Singers:**

- \*Performs advanced choral music
- \*Audition required
- \*Performs in December and March choir concerts
- \*Performs at more than a dozen community performances throughout early December

**ACTIVITY FEE: \$25**

**Math Club:** Students will participate in the Central Wisconsin Math League through UWSP in the category determined by their current math class: Geometry, Algebra II, or Advanced Math (anything beyond Algebra II). There are 3 contests throughout the year along with an awards banquet at the end of the year. **ACTIVITY FEE: \$25**

**Mock Trial:** Are you interested in our legal system? Have you ever wondered what it is like to be an attorney or be a witness in a courtroom? Do you like to debate or perform in school concerts or plays? Here is your chance to compete against other area schools reenacting a civil or criminal case. **ACTIVITY FEE: \$25**

**National Honor Society:** The National Honor Society is an invitation-only service organization open to 2<sup>nd</sup> semester Juniors who have a cumulative GPA of 3.333. Students are invited based on academic merit. The student selection process begins in February. Students, who are invited to join, complete an application that is then reviewed by a faculty committee. Final selection is based on their leadership, service and character. The induction ceremony takes place in late April or early May.

**Peytons Promise Leadership Group:** This group encourages awareness of hunger problems in our community and works to keep our school pantry shelves filled for students in need.

**Pop Concert:** Pop Concert is an exciting, annual Wausau West Choir concert series in mid-May. These performances consist entirely of popular music from a variety of styles and decades, and feature the four choirs of Wausau West, plus numerous solo and small group acts organized by choir students. Three rounds of auditions are held. Choreography is also featured along with professional sound and lighting. Students must be in a choir in order to sing in Pop Concert, and must be a member of band or orchestra to play an instrument for Pop Concert.

**Prom Committee:** The Prom Dance Committee is a committee of junior and senior students that organize a formal dance and snacks for upperclassmen during the second semester. Both male and female students are encouraged to participate. This committee becomes active shortly after the Junior Girls Formal and continues through the end of April. Underclassmen are invited to help set up the dance and volunteer to work at the event to help it run smoothly. Money raised through ticket sales is used to pay for the event.

**Publications Staff/Lab (Yearbook/Magazine):** The yearbook/magazine production is part of the class titled "Publications Laboratory." Students sell advertising, design assigned pages, work with school photographers, as well as write and edit their own stories.

**Raise Your Voice:** Raise Your Voice is a student-led mental health advocacy club that focuses on hosting school-wide events/projects to raise awareness for mental health, creates a safe environment for students to advocate for mental health and provides resources and information pertaining to mental health for students and staff. This IS NOT a support group. All students are welcome!

**Robotics Team:** Students on the Robotics Team learn how to design, build and program a robot that meets different league specifications each year. The team travels to various weekend tournaments throughout the season to compete against other teams in the game challenge for that year. We are always looking for capable students who have skills and interest in engineering and programming, and who are able to make a time commitment to meet several times per week after school, and some weekends, throughout the year. The Vex Robotics Challenge is a global competition with regional, state and national championships. In our region, we compete against schools primarily in the Fox Valley, about an hour and a half away. Unlike other school "clubs", the Robotics Team requires an application process. Students should demonstrate a dedicated interest in our activities and ideally have some advanced skills in engineering design. **ACTIVITY FEE: \$25**

**Science Olympiad:** Science Olympiad is an interscholastic competition designed to increase student interest and enthusiasm in science. The Science Olympiad tournament consists of 20-25 team events. A team consists of up to 15 students plus alternates and assistants. Challenging and fun events motivate and confront students from all ability levels with both theoretical and practical science problems. The emphasis is on participation, interaction, learning and developing team spirit. Winning teams from the state competitions are invited to participate at the national competition, held at different sites around the country each year. **ACTIVITY FEE: \$25**

**SkillsUSA:** The SkillsUSA Club is open to all students interested in learning and practicing employment skills and leadership skills that will result in greater confidence. They will have the opportunity to compete in SkillsUSA championships at local, state, and national levels. They will have the chance to earn scholarships, awards, and honors and to make job contacts and develop networking skills. They will also gain recognition from peers, teachers, and community leaders and have opportunities to attend leadership conferences at the state and national level. They will have access to SkillsUSA employment resources and have the chance to travel, meet a variety of new people and develop meaningful friendships. **ACTIVITY FEE: \$25**

**Spanish Club:** The Spanish Club is designed to celebrate and interact with the Spanish Culture. Activities include watching Spanish movies, having fiestas, making crafts and eating authentic Spanish food. Spanish Club is open to all students.

**Student Council:** Elected officers run the student body government. Activities include bi-weekly meetings, participation in decisions about school activities and attending various leadership camps and conferences. All students can participate without being on the council.

**Warrior Power:** The Warrior Power Club is open to all students interested in increasing strength, explosiveness, speed, agility, stability and body control. Warrior Power is designed for all athletes of all levels to improve overall athleticism.

**Winter Gala Formal Dance Committee (formerly Junior Girls):** The Winter Gala Formal Dance Committee is a committee of junior and senior students that organize a formal dance and/or dinner for upper classmen during the first semester. Both male and female students are encouraged to participate. This committee becomes active shortly after Homecoming and continues through February. Underclassmen are invited to volunteer at the event to help it run smoothly. Money raised through ticket sales and fundraising is used to pay for the event.