



# PHILLIPS HIGH SCHOOL

## **2024-2025** (ODD YEAR) **REGISTRATION HANDBOOK**

Updated 2/27/2024

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### **GENERAL INFORMATION**

#### **The Registration Manual**

This manual has been prepared to help you select a program for next year. All courses offered at Phillips High School are described in this manual.

We suggest that you spend time reading the course descriptions, thus enabling you to make thoughtful choices to meet your future career goals.

#### **Schedule**

All students must register for 8 credits. **It is the student's responsibility** to be sure they are selecting courses that meet graduation requirements.

#### **Honor Roll**

A student who earns a 3.35 GPA each quarter will be on the honor roll. Students who maintain a cumulative GPA of 3.35 over the first 7 semesters of their high school career are considered Honor Students and will wear an honor medallion at graduation. Please note, Pass/Fail courses may affect your GPA and class rank.

#### **Program Considerations**

It is very important that you consider the most important factor in planning a school program - **YOU** - your needs, abilities and interests. Plan your program with these points in mind:

1. Consider the plans you have made for yourself.
  - a. Post-high school education
  - b. Entering the job market
2. Consider your present interests and abilities and discuss them with your parents, teachers and counselors.
3. Keep in mind the required subjects for your grade, as well as grade level and prerequisites that are required before choosing electives.
4. ALL classes are open to either gender.

## **Course Changes & Withdrawals**

It is anticipated that each student has given serious thought to his/her program of studies BEFORE registering for classes. We cannot make numerous class changes in the fall after teachers have been hired, class sizes determined and balanced, and books and materials ordered. In order to keep changes to a minimum, the following regulations shall be in effect:

1. Class changes may be considered upon written request from parent or guardian. Errors, upgrading, counselor judgment for mental or physical reasons is allowed.
2. Class changes will be initiated through the counselor's office. Whether or not the change will be made will be determined on the basis of the reason for the change request, the class sizes involved, the counselor's recommendation, and the credit standing of the student.
3. **Schedule changes will be considered only at semester time and must be requested by the noted schedule change request deadline. Any change requested after the deadline will need to be related to a significant medical situation or a change in a student's career path.**

**First Semester (Quarters 1 & 2) Request Deadline – on or before the 6-12 open house**

**Second Semester (Quarters 3 & 4) Request Deadline – 2 weeks prior to the start of the semester**

4. A student who withdraws or is removed from a course after the 15<sup>th</sup> day of the quarter, except for unusual circumstances, may receive an "F" grade for that course.

## **INSTRUCTIONS**

### **Step One**

Read your Registration Handbook. Take it home so your parents can read it. If you or your parents have any questions, talk to your counselor and others you feel are able to help. Know the graduation requirements and read the course descriptions carefully! Course descriptions may be found in the Registration Handbook on the district web page.

### **Step Two**

Discuss your registration plans with your parents before you register. Discuss possible registration requests and how they fit your career plans. Update your career plan, if necessary.

### **Step Three**

Decide which courses you would like to request for next year. Be sure your choices are realistic. A minimum of 8 credits will be used for final registration. **DO NOT select courses you have already passed. Check Powerschool historical grades to see what you have already taken.**

### **Step Four**

Fill in the registration request sheet online. Make selection of alternate course selections. Be aware that selecting multiple classes in the same department may create scheduling conflicts.

### **Step Five**

Administration will review course requests and determine a master schedule. You will then be instructed on how to complete the final registration.

## **GRADUATION REQUIREMENTS**

### **28.5\* credits will be required to graduate from Phillips High School**

Each individual is personally responsible for insuring that the courses they select meet the minimum credit requirements for their grade/class and for graduation. This includes the student's responsibility for rescheduling into any failed classes. Any student who is not sure of their status should see the counselor as soon as possible. ACT prep will be incorporated in core classes.

#### **Required Courses/Credits**

English	4 credits including: English 9 (1), English 10 (1), English 11(1), English 12 (1) <b>OR</b> AP English (1) <b>OR</b> Written/Oral Communications (1)
Social Studies	3 credits including: American Global Marketplace (.5), Civics (.5) US History I & II (1), and <b>ONE</b> credit of Social Studies elective (1)
Science	3 credits including: Science 9 (1), Biology 1 (1), and Chemistry <b>OR</b> Applied Physical Science (1)
Math	3 credits (including .5 credit math Senior year)
Family & Consumer Ed	0.5 credit: Life Skills
Physical Education	1.5 credits including: Phy Ed 9 (0.5)
Business Education	1 credit: Computer Applications (.5) and College/Career Readiness (CCR) (.5) Beginning with the Class of 2028 Personal Finance will replace CCR
Health	Taken in 8 <sup>th</sup> grade (.5)
Senior Required	Senior Leadership Seminar (.5)

### **TOTAL NUMBER OF CREDITS NEEDED TO GRADUATE - INCLUDING REQUIRED COURSES: 28.5\* CREDITS**

#### **Recommended For:**

##### **Freshmen – 8 credits**

1 credit of English 9  
0.5 credit of American Global Marketplace  
0.5 credit of US History I  
1 credit of Science 9  
1 credit of Math  
0.5 credit of Life Skills  
0.5 credit of Phy Ed 9  
0.5 credit of Computer Applications  
2.5 credits of Electives

##### **Sophomores – 8 credits**

1 credit of English 10  
1 credit of Biology I  
.5 credit of Phy. Ed.  
1 credit of Math  
0.5 credit of US History II  
0.5 credit of Civics  
0.5 credit of College/Career Readiness  
Beginning with Class of 2028 Personal Finance  
3 credits of Electives

##### **Juniors – 8 credits**

1 credit of English 11 or Honors  
0.5 credit Social Studies  
1 credit of Applied Physical Science or  
Chemistry  
1 credit of Math  
.5 credit of Phy. Ed.  
4 credits of Electives

##### **Seniors – 8 credits**

1 credit of English 12, AP English or  
Written/Oral Comm  
0.5 credit of Sr. Leadership Seminar  
0.5 credit Math\*\*  
0.5 credit Social Studies  
5.5 credits of Electives

\* This includes .5 credit of Health taken in 8<sup>th</sup> grade

\*\* There may be some flexibility due to scheduling upper level course work.

Note: There may be some flexibility within the above requirements due to scheduling modifications. Graduation credit requirements for students transferring may be modified.

## 1. DUAL CREDIT

A student may be eligible to receive dual credit through an arrangement in which high school students earn both high school and college credit. Technical college courses are taught in the high school by college certified high school instructors. Current dual credit courses at Phillips High School can be found on page 10.

## 2. ADVANCED PLACEMENT

A student may be eligible to receive credit for certain college courses by completing Advanced Placement (AP) classes in high school and passing the corresponding AP exam. Students are responsible for paying the exam fee. Fee waivers are available to those who qualify. Phillips High School offers Advanced Placement courses in the following areas: **AB Calculus, Chemistry and English Literature and Composition.**

## 3. EARLY COLLEGE CREDIT PORGRAM / START COLLEGE NOW

Students who have attained junior status (earned a minimum of 16 credits) are eligible to enroll in courses through post-secondary educational institutions such as the University of Wisconsin or the Wisconsin Technical College System (WTCS). Courses taken through this program must not be comparable to courses offered by the high school. Students who wish to take courses must not have a record of disciplinary problems. The majority of these courses are offered online, please see #5 for guidelines. Applications for the program and additional information can be requested through your school counselor. Applications for the fall semester must be received in the office by March 1, or for the spring semester by October 1.

## 4. ONLINE COURSES

Guidelines for students: self-disciplined, minimum sophomore status and maintain an overall "B" average or teacher recommendation. See the principal or school counselor for more information.

## 5. TECHNICAL COLLEGE ENTRANCE REQUIREMENTS

Technical college programs have open admission policies; however, some programs have waiting lists. Technical college preparation should include a comprehensive high school curriculum to ensure success. The following are recommended high school courses/credits for adequate preparation for technical college programs. Course requirements vary according to the program. Some career areas require specific grades for admission. Consult college catalogs for specifics. Students can also take their general education courses as well as earn their Associate degrees at a technical college and articulate these credits to a 4-year university.

## 6. COLLEGE ENTRANCE REQUIREMENTS

### University of Wisconsin System Requirements

All University of Wisconsin System institutions require a minimum of 17 high school credits. Thirteen of the seventeen credits must be distributed as follows:

<b>1. Core College Preparatory Credits</b>	<b>13 credits</b>
English	4 credits
Mathematics (Algebra, Geometry, Adv. Algebra)	3 credits
Social Science	3 credits
Natural Science (Sci 9, Biology & Chemistry)	3 credits
<b>2. Elective Credits</b>	<b><u>4 credits</u></b>
<b>TOTAL</b>	<b>17 credits</b>

The 4 elective credits can be chosen from the above core college preparatory areas, world language, visual or performing arts and other core academic areas. Some UW system institutions may also accept vocational courses for some of these 4 elective credits. UW system schools are now using a comprehensive admissions process, which includes difficulty of courses taken during the senior year. These recommendations are the **minimum** needed.

Every college and tech program may require different entrance credits. It is important that students take their academics as far as possible in high school to leave doors open for future plans. Parent and students should be in contact with admissions counselors to be sure they are following their college and program path requirements.

## Phillips High School Courses Available by Grade Level

There may be exceptions to classes available to grade level. **BOLDED** courses are required.

<b>BUSINESS &amp; INFORMATION TECHNOLOGY – page 10</b>	<b>GRADE LEVEL</b>				<b>CREDITS</b>
					
<b>Computer Applications</b>	9				0.5
<b>College/Career Readiness (beginning Class of 2028 Personal Finance)</b>		10			0.5
Introduction to Business ( <b>Dual Credit</b> )* even year			11	12	0.5
Principles of Marketing ( <b>Dual Credit</b> )* odd year			11	12	0.5
Accounting ( <b>Dual Credit</b> )* odd year			11	12	1.0
Accounting II ( <b>Dual Credit</b> )* odd year			11	12	1.0
Adv Microsoft Office		10	11	12	0.5
Business Communications ( <b>Dual Credit</b> )*		10	11	12	0.5
Desktop Publishing ( <b>Dual Credit</b> )*	9	10	11	12	0.5
Personal Finance (beginning Class of 2028, will replace CCR)		10	11	12	0.5
Web Design & Coding			11	12	0.5

<b>FAMILY AND CONSUMER EDUCATION – page 12</b>	<b>GRADE LEVEL</b>				<b>CREDITS</b>
					
<b>Life Skills</b>	9	10			0.5
Foods I	9	10	11	12	0.5
Fashion & Textiles	9	10	11	12	0.5
Parents & Children		10	11	12	0.5
Foods II		10	11	12	0.5
Assistant Child Care Teacher ( <b>Dual Credit</b> )*			11	12	0.5
Advanced Foods			11	12	0.5
Human Services Career Exploration		10	11	12	0.5

<b>FINE ARTS – page 14</b>	<b>GRADE LEVEL</b>				<b>CREDITS</b>
					
May take 1 credit of Art per year					
2D Design	9	10	11	12	0.5
3D Design	9	10	11	12	0.5
Concert Choir	9	10	11	12	1.0
Symphonic Band	9	10	11	12	1.0

<b>LANGUAGE ARTS – page 15</b>	<b>GRADE LEVEL</b>				<b>CREDITS</b>
					
<b>English 9</b>	9				1.0
<b>English 10 or English 10 Honors</b>		10			1.0
<b>English 11 or English 11 Honors</b>			11		1.0
<b>English 12</b>				12	1.0
<b>AP English – Literature &amp; Composition</b>				12	1.5
<b>AP English – Language Arts &amp; Composition</b>			11	12	1.5
<b>Written Communications DC</b>			11	12	0.5
<b>Oral Communications DC</b>			11	12	0.5
Social Media		10	11	12	0.5
Contemporary Literature (even)		10	11	12	0.5
Hunt Hike Write	9	10	11	12	0.5
Public Communications	9	10	11	12	0.5
Creative Writing (odd)		10	11	12	0.5
Publications		10	11	12	0.5

**MATHEMATICS – page 18** **GRADE LEVEL** **CREDITS**



**Required math courses are determined by teacher recommendation**

Applied Algebra	9	10	11	12	0.5
Applied Geometry	9	10	11	12	0.5
Pre-Algebra	9	10			0.5
Pre-Geometry	9	10			0.5
Algebra	9	10	11	12	1.0
Geometry	9	10	11	12	1.0
Consumer Math #			11	12	1.0
Advanced Algebra (Dual Credit)* #		10	11	12	1.0
Trigonometry (Dual Credit)* #			11	12	0.5
Advanced Statistics #			11	12	0.5
Pre-Calculus (Dual Credit)* #			11	12	0.5
Technical Math (Dual Credit)* #				12	0.5
AP Calculus (Dual Credit)* #				12	1.5

# = These classes qualify for the Senior math credit when taken Senior year

**PHYSICAL EDUCATION & HEALTH EDUCATION – page 21** **GRADE LEVEL** **CREDITS**



**It is recommended that you select no more than 2 courses per year**

Health (Taken in 8 <sup>th</sup> Grade)					0.5
Phys Ed 9	9				0.5
Team Sports	9	10	11	12	0.5
Dual & Individual Sports	9	10	11	12	0.5
Aquatics	9	10	11	12	0.5
Sports Conditioning	9	10	11	12	0.5
Everyday Exercise	9	10	11	12	0.5
Wisconsin Outdoors			11	12	0.5

**SCIENCE – page 22** **GRADE LEVEL** **CREDITS**



Science 9	9				1.0
Biology		10			1.0
Applied Physical Science OR			11		1.0
Chemistry			11	12	1.0
Field Science – Environment	9	10	11	12	0.5
Field Science – Resource Management	9	10	11	12	0.5
Field Science – Aquatics		10	11	12	0.5
Weather & Climate	9	10	11	12	0.5
Biology II			11	12	0.5
Anatomy & Physiology (Dual Credit) *			11	12	0.5
Physics			11	12	1.0
AP Chemistry			11	12	1.5
Medical Terminology (Dual Credit)*			11	12	0.5
Introduction to Botany		10	11	12	0.5
STEAM	9	10	11	12	0.5

SOCIAL STUDIES - page 26		GRADE LEVEL				CREDITS
    						
American Global Marketplace	9					0.5
Civics		10				0.5
US History I	9					0.5
US History II		10				0.5
Law			11	12		0.5
World Culture (EVEN)	9	10	11	12		0.5
Western Civilization: Medieval Times through the Renaissance	9	10	11	12		0.5
Western Civilization: Industrial Revolution through World War I (ODD)	9	10	11	12		0.5
Introduction to Sociology (Dual Credit)*			11	12		0.5
Introduction to Psychology		10	11	12		0.5
Introduction to Diversity (Dual Credit)* (EVEN)			11	12		0.5

TECHNOLOGY EDUCATION – page 27		GRADE LEVEL				CREDITS
    						
Introduction to Technology A/B	9	10	11	12		0.5
Machine Woodworking	9	10	11	12		1.0
Introduction to Building Trades	9	10	11	12		0.5
Introduction to Architecture	9	10	11	12		0.5
Metals	9	10	11	12		1.0
Manufacturing Careers	9	10	11	12		0.5
Power & Energy	9	10	11	12		0.5
Product Design – instructor permission required			11	12		0.5
CADD (Computer Aided Design & Drafting)		10	11	12		0.5
CNC Product Design and Manufacturing		10	11	12		0.5
Do It Yourself Home Projects	9	10	11	12		0.5
Furniture & Cabinet Making (even year)		10	11	12		1.0
Power & Energy Research & Development		10	11	12		0.5
Metals Fabrication (Dual Credit)*			11	12		1.0
Home & Auto Maintenance			11	12		0.5
Logger Manufacturing	9	10	11	12		.0.5 per quarter

WORLD LANGUAGES – page 30		GRADE LEVEL				CREDITS
   						
Spanish I,II,III,IV	9	10	11	12		1.0 must take both parts in the same year
Online courses						

## Dual Credits available through Northcentral Technical College

Name of PHS Course	Name of NTC Course	NTC Course Number	Number of NTC Credits
Accounting	Accounting 1	10-101-111	4
Accounting II	Accounting 2	10-101-113	4
*Advanced Algebra	Intermediate Algebra w/ application	10-804-118	4
Anatomy & Physiology	Body, Structure & Function	10-806-110	3
*AP Calculus	Calculus 1	10-804-198	4
Assistant Child Care Teacher (MUST have taken Parents & Children)	Early Childhood Education Foundations	103-07-148	3
Desktop Publishing	Desktop Publishing	10-106-188	3
Business Communications	Business Proofreading and Editing	10-106-104	3
Intro to Business	Intro to Business	10-102-124	3
Principles of Marketing	Marketing Principles	10-104-172	3
*Metal Fabrication (MUST also have taken Metals)	Introduction to Welding	10-442-101	2
*Pre-Calculus	College Algebra w/ applications	10-804-195	3
*Technical Math	Applied Mathematics	31-804-305	2
*Trigonometry	Trigonometry w/ applications	10-804-196	3
Medical Terminology	Medical Terminology	10-501-101	3
*Intro to Sociology	Intro to Sociology	10-809-196	3
Intro to Diversity	Intro to Diversity	10-809-172	3
Written Communications	Written Communications	10-501-101	3
Oral Communications	Oral Interpersonal Communications	10-801-196	3

## Academies in partnership with Northcentral Technical College

Welding  
 Machine Tool  
 Emergency Medical Technician (EMT)  
 Certified Nurse's Aide (CNA)  
 Information Technology (IT)  
 Business

# Business and Information Technology

## Graduation Requirements – 1 Credit

### Required Courses

665	Computer Applications
147	College and Career Readiness – beginning w/Class of 2028 Personal Finance replaces this

### Elective Courses

171	Introduction to Business (DC)	373	Business Communications (DC)
172	Principles of Marketing (DC)	178	Desktop Publishing (DC)
134	Accounting (DC)	184	Personal Finance
136	Accounting II (DC)	668	Web Design & Coding
667	Adv Microsoft Office		

<b>147 College and Career Readiness</b>	<b>Required</b>	<b>.5 Credit</b>	<b>10</b>
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With the dynamic world that we live in, it is necessary that students learn career clusters and pathways to determine their own plan of study in preparation for their future. Students will explore careers, concentrating on those that match their individual interests and abilities to assist them in making their post-secondary decisions. Students will complete documentation required for a successful job hunt (resume writing, cover letters and interviewing strategies) and demonstrate an understanding of employer expectations and the various elements of a professional image. Also included are communicating effectively, acting responsibly, working productively and cooperatively as well as demonstrating integrity. Students will also demonstrate short and long term goal setting and steps to achieve these goals.

<b>171 Introduction to Business – Dual Credit</b> 	<b>Elective</b>	<b>.5 Credit</b>	<b>11/12</b>
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*See page 10 for NTC Course Name, Number, and NTC Credits Earned*

This course is designed to teach students about owning and operating a business, leadership in management, technology and business, business ethics and social responsibility, and the economy and its effects on business. This course will introduce students to all aspects of a business and the decision making process. Students who are interested in learning more about business and students that are interested in owning their own business should take this course. This course is a Dual credit course and will follow NTC requirements. ONLY juniors & seniors who register for Dual credit will receive the Dual credit.

<b>172 Principles of Marketing – Dual Credit</b> 	<b>Elective</b>	<b>.5 Credit</b>	<b>11/12</b>
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*See page 10 for NTC Course Name, Number, and NTC Credits Earned*

*Recommended Course: Introduction to Business*

Students will become active in designing products and developing marketing skills. They will learn the importance of promotional strategies, distribution and pricing concepts as well as product and service management and marketing information management. Students will complete a Strategic Marketing Plan among other projects. Students interested in owning their own business should take this course. This is a Dual credit course and will follow NTC requirements. Students wishing to take this course must possess a high level of motivation, responsibility and initiative. While Introduction to Business is not a prerequisite, it is recommended. ONLY juniors and seniors who register for Dual credit will receive the Dual credit.

<b>184 Personal Finance</b>	<b>Elective</b>	<b>.5 Credit</b>	<b>10/11/12</b>
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This course will include money management, credit and debt management, planning, saving and investing. Students will learn the selection of appropriate financial options and the ability to plan for the future.

<b>178 Desktop Publishing– Dual Credit</b> 	<b>Elective</b>	<b>.5 Credit</b>	<b>9/10/11/12</b>
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This course introduces students to desktop publishing using Microsoft Publisher. Students will explore foundational concepts of desktop publishing, analyze components of planning a document, apply design techniques, and explore safety, ethical and legal concepts of desktop publishing. Students will design, layout and create professional quality documents for personal and business use, including flyers, newsletters, brochures, logos, and calendars.

<b>665 Computer Applications</b>	<b>Required</b>	<b>.5 Credit</b>	<b>9</b>
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Students will learn the basics to Microsoft Word, Excel, Powerpoint, and Access. The Word unit will introduce students to special features in word processing including customizing styles, themes, and tables as well as creating citations and bibliographies for research papers. Students will also learn how to format graphics and set tabs. The Excel unit introduces students to the world of worksheets. Students will learn how to format a worksheet, write formulas, and create charts. In PowerPoint, students will learn how to properly design a slide show to include shapes, charts, transitions, graphics, and videos. The Access unit teaches students how to create databases, tables, queries, and reports.

<b>667 Adv Microsoft Office</b>	<b>Elective</b>	<b>.5 Credit</b>	<b>9/10/11/12</b>
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*Pre-requisite: Computer Applications*

This course builds on the skills learned from previous Microsoft Office courses. Students will learn advanced features in Microsoft Word, Excel, PowerPoint and Access.

<b>134 Accounting – Dual Credit</b> 	<b>Elective-EOY</b>	<b>1 Credit</b>	<b>11/12</b>
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*See page 10 for NTC Course Name, Number, and NTC Credits Earned*

This course is recommended for juniors and seniors. Accounting systems provide individuals and businesses with a systematic method of organizing financial data. The double-entry accounting system is presented in this course for a merchandising business. Students are taught to separate transactions into their debit and credit parts and to record them in various types of journals. Students learn the correct procedures for posting, for preparing work sheets and financial statements and for adjusting and closing ledger accounts. Topics such as inventory, depreciation, bad debts, and internal controls are also included in this course. Accounting is an excellent choice for students who are planning a business career, for those who are planning to own their own business, and for those who would like to learn a systematic system of keeping track of their personal finances. This course is a Dual credit course and will follow NTC requirements. Students who successfully complete this course MAY, with permission of instructor, take an independent study Advanced Accounting for .5 credit.

<b>136 Accounting II– Dual Credit</b> 	<b>Elective-EOY</b>	<b>1 Credit</b>	<b>10/11/12</b>
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Accounting II expands on the accounting concepts presented in Accounting. The course introduces students to fixed assets, intangible assets, current and payroll liabilities, partnerships, corporations, bonds, the Statement of Cash Flows, and financial statement analysis. This course is a Dual course and will follow NTC requirements.

<b>373 Business Communications– Dual Credit</b> 	<b>Elective</b>	<b>.5 Credit</b>	<b>10/11/12</b>
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This course provides students an opportunity to develop and improve writing and proofreading skills. Students will develop proper use of punctuation, number usage, capitalization, grammar, word choice, and spelling needed to communicate effectively in a business environment.

<b>668 Web Design &amp; Coding</b>	<b>Elective</b>	<b>.5 Credit</b>	<b>11/12</b>
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This course will teach students about the processes of web design and will introduce them to the basics needed to begin a career as a Web Designer. Topics included in the course are text editors, an introduction to HTML, adding CSS and adding files. Students will learn the skills that are necessary to begin creating a well-functioning website using CSS and HTML.

# Family and Consumer Education

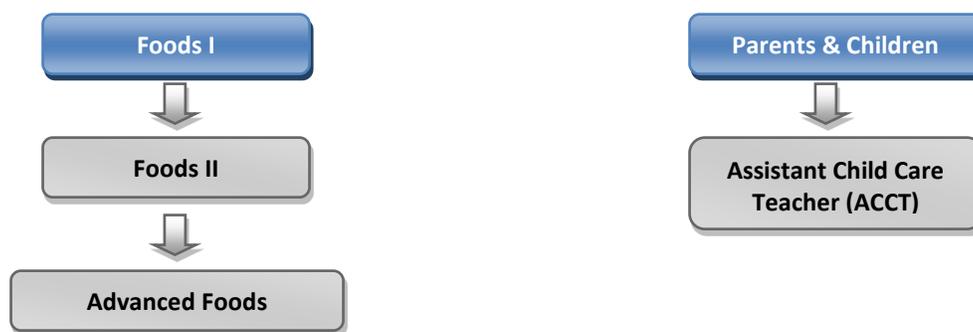
## Graduation Requirements – 0.5 Credit

### Required Courses

548 Life Skills

### Elective Courses

500	Foods I		Fashion & Textiles
505	Foods II	551	Parents & Children
510	Advanced Foods	552	Assistant Child Care Teacher (DC)
	Human Services Career Exploration		



### 548 Life Skills

**Required**

.5 Credit

9

The purpose of this course is to increase student knowledge and ability in skills necessary for everyday living. Topics included will be food and nutrition, personal responsibility, decision-making, healthy relationships and human growth and development. This course will also emphasize character development, developing positive peer relationships, as well as empathy and tolerance for others.

### 500 Foods I

Elective

.5 Credit

9/10/11/12

This course is for the student who wants to learn basic food preparation knowledge and skills. Emphasis is placed on lab planning, measuring, food safety and sanitation guidelines. Foods prepared will include quick breads, pancakes, muffins, cookies, egg cookery, dairy products and convenience foods. There will be a \$10 lab fee for this course.

### 505 Foods II

Elective

.5 Credit

10/11/12

*Prerequisite: Foods I with a grade of C or higher*

Students will continue to learn food preparation skills and knowledge. Included is the in-depth study and cooking of the following items: appetizers, salads, fruits, soups, casseroles, rice, cereal, pasta, cakes, cupcakes and pies. Emphasis is placed on decision-making, lab planning and teamwork. There will be a \$10 lab fee for this course.

### 510 Advanced Foods

Elective

.5 Credit

11/12

*Prerequisite: Foods II with a grade of C or higher*

This course will help students apply food preparation knowledge and skills learned previously to more creative methods of food preparation. Included is the preparation of foreign foods and American regional food. Emphasis on safety, sanitation, decision-making, lab planning and teamwork in the food service industry will be emphasized. This course is recommended for anyone interested in a career in the food service or hospitality industry. There will be a \$10 lab fee for this course.

### Xxx Fashion & Textiles

Elective

.5 Credit

9/10/11/12

This course introduces students to the world of fashion. In Fashion & Design students will explore the importance of clothing, elements of the fashion industry, fashion evolution, elements and principles of design, and the various careers in fashion. This course is for anyone interested in a career in fashion, design or apparel.

<b>551 Parents &amp; Children</b>	Elective	.5 Credit	10/11/12
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This course offers learning about the important role of parenting. Positive relationships, discipline with guidance, and parenting decisions will be explored. Students will gain information about growth and development from conception through adolescence, and will study how a nurturing environment will influence the physical, intellectual, social, emotional, and language development of children. Anyone planning on being a parent or working with children in any capacity will benefit from this class.

<b>552 Assistant Child Care Teacher - Dual Credit</b> 	Elective	.5 Credit	11/12
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*See page 10 for NTC Course Name, Number, and NTC Credits Earned*

*Prerequisite: Earn a grade of C or above in Parents & Children and permission of instructor.*

In this course students will focus on the principles of child growth and development, quality early childhood programs and facilities, and positive relationships between early childhood educators and children. Students will gain practical experience working with children while earning state certification. This option enables students to gain employment in licensed daycare centers at age 17. A portion of the class will include observations at area child care facilities and elementary schools. This class is recommended for anyone interested in a career working with children. ONLY juniors & seniors who register for Dual credit will receive the Dual credit.

<b>Xxx Human Services Career Exploration</b>	Elective	.5 Credit	10/11/12
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This course focuses on preparing individuals for employment in career pathways relating to families and human needs. Careers may include counseling and mental health services, family and community services, personal care, and consumer services.

# Fine Arts

**Graduation Requirements** – None – Art classes are limited to one credit per year

## Elective Courses

403	2D Design	451	Symphonic Band
408	3D Design	456	Concert Choir

### **403 2D Design**

Elective .5 Credit

9/10/11/12

This art class will introduce students to drawing proportions, shading techniques, advanced drawing perspective and grid drawing. Students will also use a variety of mediums and material to create art work in two dimensional pieces. Moving into advanced 2D design you will be building upon previous two-dimensional skills. Students will be focusing on advanced techniques. Students will explore mediums such as oil painting, computer graphics, photography and various print making methods. Students will have the opportunity to study the basics of fields such as Graphic Design, Multi-Media and Printing.

### **408 3D Design**

Elective .5 Credit

9/10/11/12

In this art class students will be taught the basics of creating three-dimensional art work. These students will learn how to create structures that are sculptural or functional art work. Students will utilize a wide range of material, such as clay, styrofoam, and paper mache to develop skills to create three-dimensional art work. Moving into advanced 3D design you will build upon the skills learned in Beginning 3D Design to create works of art and design. Students will create a knowledge of Interior Design, Industrial Design and sculpture. Students will learn advanced techniques such as etching, rendering and other 3D design processes.

### **451 Symphonic Band**

Elective 1 Credit

9/10/11/12

The Band is an important part of Phillips High School and the surrounding communities. Many musical organizations exist within the framework of band, such as marching band, pep band and smaller ensembles that perform mainly at contests. The marching band performs at five local parades during the year. Symphonic band performs four major concerts as well as at the district music festival. The pep band performs at different sporting events during the course of the school year. Skills and activities to be taught are an expansion of techniques learned at the middle school level, and the advancement into grade 4 & 5 level music of major band composers. Symphonic band is most beneficial as a four-year experience.

### **456 Concert Choir**

Elective 1 Credit

9/10/11/12

The concert choir is composed of serious musicians who study complex music by major composers. The members should already have learned beginning singing elements like basic music reading, correct breathing, and posture. The choir sings many different styles of music, expanding the techniques learned in middle school and advancing into grade 4 & 5 level music. The choir is involved in 4 major concerts during the school year. Concert choir is most beneficial as a four-year experience.

# Language Arts

## Graduation Requirements – 4 credits

### Required Courses

All state academic standards are met in English 9,10,11 and 12

300	English 9		One of the following:
310	English 10 or English 10 Honors	325	English 12
320	English 11 or English 11 Honors or AP English Language Arts	380 342/343	AP English Literature Written/Oral Communications (DC) AP English Language Arts

### Elective Courses

340	Contemporary Literature
330	Creative Writing
345	Hunt Hike & Write
316	Public Communications
394	Publications
190	Social Media

<b>300 English 9</b>	<b>Required</b>	<b>1 Credit</b>	<b>9</b>
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The basic purpose of this class is to improve communication skills in reading, writing, listening, speaking, and thinking. There will be units covering grammar, composition, developmental reading, and literature. You will be reading short stories, poetry, drama, and novels. Writing, vocabulary, and spelling will be studied throughout the year.

<b>310 English 10</b>	<b>Required</b>	<b>1 Credit</b>	<b>10</b>
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English 10 is a general survey of literature and a review of all communication skills: spelling, grammar, usage, vocabulary, listening, speaking, writing, and reading. Students will read short stories, poetry, plays, biographies, essays, and novels to enhance enjoyment, interpretation and appreciation. They will listen and respond to a variety of readings to improve listening and note-taking skills. They will do an extensive variety of writings and editing activities involving sentences, paragraphs, essays, and free writing. They will also practice research and presentation skills while enhancing the aforementioned skills.

<b>310AH English 10 Honors</b>	<b>Required</b>	<b>1 Credit</b>	<b>10</b>
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English 10 Honors is designed for students planning to take future honors or AP English courses in preparation for a 4-year college degree. This course moves at a faster pace than English 10 and requires students to perform at a higher level.

<b>320 English 11</b>	<b>Required</b>	<b>1 Credit</b>	<b>11</b>
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English 11 will focus on American Literature. Students will study a variety of novels, short stories, plays, poetry, and nonfiction. There will also be a strong writing component connected to the literature. Students will publish many “literary analysis writings” and two in depth research papers during the entire course. There will also be focus on grammar skills, vocabulary/spelling skills, editing skills, and reading comprehension skills.

<b>320AH English 11 Honors</b>	<b>Required</b>	<b>1 Credit</b>	<b>11</b>
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English 11 Honors is designed for students planning to take future honors or AP English courses in preparation for a 4-year college degree. This course moves at a faster pace than English 11 and requires students to perform at a higher level.

<b>325 English 12</b>	<b>Required</b>	<b>1 Credit</b>	<b>12</b>
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In addition to reading and analyzing examples of English literature, students will review grammar, punctuation, vocabulary, spelling, sentence structure, and writing skills. An emphasis will be placed on the writing process as students learn to write well-organized essays and a full-length research paper.

<b>340 Contemporary Literature</b> (even)	Elective	.5 Credit	10/11/12
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Contemporary Literature is a course designed to encourage students to develop a love or at least an interest in reading. A wide range of literature has been selected which will allow students to explore several different literature genres. Lots of flexibility has been built into this course allowing students to determine who they will work with, what they will read, and the grade they will earn. Each class member helps to establish the topics for discussion, homework assignments and how much class time is spent reading.

<b>330 Creative Writing</b> (odd)	Elective	.5 Credit	10/11/12
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This class will provide opportunities for students to engage in writing short stories, plays, and poetry. Students will develop the habit of close observation, learn to select words that appeal to the senses, and learn to use vivid details, similes, metaphors, etc. Mechanics of standard punctuation will be reviewed.

<b>380 AP English Literature &amp; Composition</b>	Required	1.5 Credits	12
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*Prerequisites: English 9, 10, and 11, permission of instructor, and will be considered based on past performance, work ethic, and test scores. It is strongly recommended that students taking this course have earned a grade of "B" or better in all previous English classes.*

This course combines elements of advanced composition and advanced literature courses and adds the intellectual rigor intended to prepare students to pass the AP English Literature and Composition test for college credit in the spring. As a college level course, it is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Writing instruction and practice will emphasize the development and organization of ideas in clear, coherent and persuasive language; an understanding of the elements of style; and precision and correctness of expression. Students will be expected to do some reading and writing prior to the beginning of class and should expect a good deal of homework.

<b>xxx AP English Language Arts &amp; Composition</b>	Required	1.5 Credits	11/12
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*Prerequisites: English 9, 10, and 11, permission of instructor, and will be considered based on past performance, work ethic, and test scores. It is strongly recommended that students taking this course have earned a grade of "B" or better in all previous English classes.*

The AP English Language Arts and Composition focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of non-fiction texts and the decisions writers make as they compose and revise.

<b>191 Social Media</b>	Elective	.5 Credit	10/11/12
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This course will go through the set-up, monitoring and measurement of a social media marketing campaign. It requires active participation of students which includes a willingness to immerse in social media practices including web forums and social network sites. Individuals should will learn to understand and navigate the social media phenomenon to gain a competitive edge.

<b>394 Publications</b>	Elective	.5 Credit	10/11/12
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Publications has been designed to create a variety of publication projects. This is an exciting project-oriented class that will give students the opportunity to contribute creative abilities while working as a team to accomplish specific goals. Publications is a first level course in journalism as well. Students will use their writing and composing skills to create published pieces in a variety of ways. This may include, but is not limited to: school newsletter "The Logger Express", the yearbook "Wabasso", The Price County Review, bulletin board designs, school event advertising, interviews, movie/book reviews, community brochures, photography projects and class literature. Community guest speakers will also join us to give us a greater perspective and understanding on a variety of publication related topics.

<b>342 Written Communications (Dual Credit)</b> 	May replace English 12	0.5 Credit	12
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Written communications will develop writing skills which include prewriting, drafting, revising and editing. A variety of writing assignments is designed to help the learner analyze audience and purpose, research and organize ideas and format and design documents based on subject matter and content. Critical reading and thinking skills are developed through the analysis of a variety of written documents.

**343 Oral Communications (Dual Credit)** 

May replace English 12 0.5 Credit 12

Oral communications is the study of one-to-one communication in a variety of settings, including home, school and the workplace. This study involves the understanding of yourself, key concepts, discovering ways to communicate so that relationships – personal and professional – run more smoothly and become more meaningful. This class will focus on developing speaking, verbal and nonverbal communication, and listening skills through individual presentations, group activities and other projects.

**345 Hunt Hike & Write**

Elective .5 Credit 9/10/11/12

Reading will include current selections from *Outdoor Life* and *Wisconsin Outdoor News*, among other popular outdoors magazines, contrasted with more traditional environmental literature including *Silent Spring*. Traditional outdoor literature will be represented in the works of Ernest Hemingway and Jack London. Regional pieces will include *A Sand County Almanac*. Composition skills will be developed through real life writing experiences: outdoor journals, fishing stories, humorous accounts, editorials, political cartoons, and magazine articles. Near the end of the quarter, a short magazine type publication will encompass the best examples of class work.

**394 Public Communications**

Elective .5 Credit 9/10/11/12

Public Communications is designed to help students learn to be effective speakers. To be effective speakers, students learn to give Impromptu, Informative, Oral Interpretation and Demonstration Speeches. These speeches involve researching, planning, timing, and requesting permission to use necessary areas best suited for their individual speeches. To be effective speakers, students also learn to be analytical of various genres as well as of each other. Students learn to give constructive criticism; they learn that constructive criticism helps us evolve into better individuals.

# Mathematics

**Graduation Requirements** – 3 credits, including .5 credit during your senior year

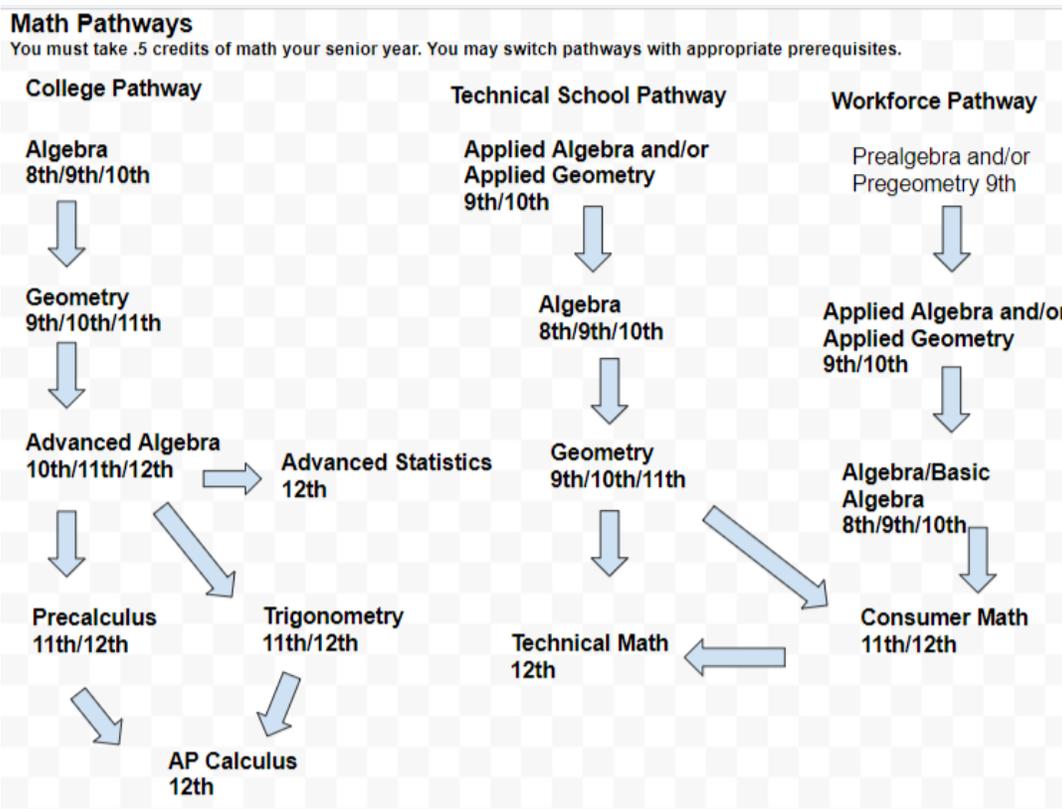
Freshmen will be placed in 1 credit of math based on recommendation from their math teacher:

604 = 1 cr.; 615 = 1 cr.; OR 620 = 1 cr.

604	Applied Algebra/Applied Geometry	600	General Math/Statistics
615	Algebra	620	Geometry

## Elective Courses

615	Algebra	646	Advanced Statistics
619	Applied Geometry	650	Pre-Calculus (DC)
620	Geometry	652	AP Calculus AB (DC)
631	Advanced Algebra (DC)	625	Tech Math (DC)
640	Trigonometry (DC)	630	Math Computers Logic
610	Consumer Math		



## Math Common Core Standards

To meet most of the state mandated math standards a student must take at least one class from each of the following three groups. To meet ALL of the state standards a student should take Algebra, Geometry and Advanced Algebra.

All classes will teach Standard A

Algebra Standards (Standards B and F) Can be met by taking	Geometry Standards (Standards C and D) Can be met by taking	Statistics Standards (Standard E) Can be met by taking
Applied Algebra OR Algebra	Applied Geometry OR Geometry	Advanced Algebra

<b>600 General Math/Statistics</b> (permission of instructor)	Elective	1 Credit	9/10
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Did you ever wonder how the casinos in the area make so much money? Is it true that one out of every four people will develop cancer? Are girls in Phillips smarter than boys or vice versa? You can answer all of these questions and back up your answers with facts if you know a little about statistics. General Math/Stats is a review of the fundamental processes of whole numbers, fractions, decimals, and percent. Students will learn estimation and number sense. Computers will be used in this class. This class is project oriented. Teacher recommendation required.

<b>604 Applied Algebra/Applied Geometry</b>	Elective	1 Credit	9/10/11/12
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Applied Algebra will prepare students for the basic skills required in the first Algebra course introducing concepts of positive and negative numbers, solving simple equations, and graphing. Job-related/real-world applications and activities will be used. This course may include applications of Geometry and its theorems including measurements of length, area, and volume of a variety of geometric shapes and figures. Students will learn about the characteristics and applications of geometric figures. This course will meet most of the Geometry standards but is not a replacement for Geometry for college admission.

<b>615 Algebra</b>	Elective	1 Credit	9/10/11/12
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Algebra is a course designed for the student who has a basic understanding of the fundamental skills of arithmetic and who is interested and ready for a more theoretical approach to mathematics. Topics covered will include properties of numbers, solving algebraic sentences, operations of real numbers, functions, solving systems of linear and quadratic equations.

<b>620 Geometry</b>	Elective	1 Credit	9/10/11/12
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The focus of this course is to understand various methods of measure and to develop reasoning and logical thinking skills. It consists of plane and solid geometry, basic ideas of formal proof which relate to angles, parallel lines, triangles, and indirect measure. Other topics include quadrilaterals, trigonometry circles, inequalities, ratios, and their applications.

<b>625 Technical Math (Dual Credit)</b> 	Elective	.5 Credit	12
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See page 10 for NTC Course Name, Number, and NTC Credits Earned

Prerequisite: Geometry is recommended

Tech math is a review of whole numbers, fractions, decimals, percent's, measurement, basic algebra, plane geometry, and formulas with emphasis on practical applications. This course is especially intended for students who want to sharpen up their practical math skills before leaving high school.

<b>630 Math Computers Logic</b> (every other year)	Elective	.5 Credit	11/12
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Prerequisite: Geometry

Explore this introductory programming course using html, javascript, scratch and database computer languages. This course is designed for students interested in learning more about programming and is recommended for those going on to college and/or technical school. The course provides students with a solid background of standard computer logic, which will enhance problem solving skills.

<b>631 Advanced Algebra (Dual Credit)</b> 	Elective	1 Credit	10/11/12
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See page 10 for NTC Course Name, Number, and NTC Credits Earned

Prerequisite: Algebra and Geometry

The first part is a review of Algebra. This course will study various functions and relations, their graphs and their applications to solving problems. Sequences and series will also be covered. Optional items that may be covered include statistics, matrices, and logarithms.

<b>640 Trigonometry (Dual Credit)</b> 	Elective	.5 Credit	11/12
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See page 10 for NTC Course Name, Number, and NTC Credits Earned

Prerequisite: Advanced Algebra

The basis of trigonometry is the right triangle and six trigonometric functions. Topics included are vectors, graphs of functions, polar coordinates, complex numbers, trigonometric identities, law of cosines and sines, and logarithms.

<b>646 Advanced Statistics</b>	Elective	.5 Credit	11/12
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*Prerequisite: Advanced Algebra*

This is a one-term course and will include exploratory analysis of data, normal distributions, two-variable data, samples, experiments, simulations and probability. Students considering college majors in nursing, business, psychology, sociology, science-related fields, or mathematics are encouraged to take this course.

<b>650 Pre-Calculus (Dual Credit)</b> 	Elective	.5 Credit	11/12
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*See page 10 for NTC Course Name, Number, and NTC Credits Earned*

*Prerequisite: Advanced Algebra*

Students will continue their study of algebra, analytic geometry, trigonometry, and include transcendental functions. The concept of limit is introduced through rational and irrational numbers developed in graphing and sequences. Basic concepts of calculus like limits, rates of change, and sums are introduced.

<b>652 AP Calculus AB (Dual Credit)</b> 	Elective	1.5 Credits	12
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*See page 10 for NTC Course Name, Number, and NTC Credits Earned*

*Prerequisites: Pre-Calculus, permission of instructor. It is strongly recommended that students wishing to take Calculus should do so only if they have earned a grade of "B" or better in both Trigonometry and Pre-calculus. It is strongly recommended that students wishing to take Calculus as a junior should do so only if they have earned "A's" in all previous math classes.*

Students will study the two fundamental topics in calculus, the derivative and the integral. Methods of integration and derivation will be covered in-depth, along with applications to business, physics, and engineering. Optional topics include differential equations, infinite series, and hyperbolic functions.

<b>1811 Pre-Algebra</b>	Elective	.5 Credit	9/10
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**Students must have teacher recommendation to enroll in this course.** Students will work on improving basic math skills and focus on applying skills in the area of Algebra.

<b>1812 Pre-Geometry</b>	Elective	.5 Credit	9/10
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**Students must have teacher recommendation to enroll in this course.** Students will work on improving basic math skills and focus on applying skills in the area of Geometry.

<b>610 Consumer Math</b>	Elective	1.0 Credit	11/12
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The focus of this course is to review and use mathematical skills in real world situations. Students will use mathematics effectively as a tool in their personal and business lives; and will apply mathematical concepts related to wages, tax statements, banking, credit cards, loans, insurance, investments and budgets. Students will also review and apply Geometry concepts to technical trades and careers. Other skills that will be covered include decimals, fractions, percentages and measurements. **THIS COURSE IS NOT FOR STUDENTS WHO HAVE COMPLETED ADV. ALGEBRA.**

# Physical Education

**Graduation Requirements** – 1.5 Credits

**Required Course** – 710 Phys Ed 9

**Required Elective Courses** – Students **MUST** choose from these courses to meet the additional 1 credit needed for the Physical Education requirement. **You may take 1 credit per year, and no more than 1 credit per course.**

725	Team Sports	730	Dual & Individual Sports
728	Aquatics	733	Sports Conditioning
750	Everyday Exercise	735	Wisconsin Outdoors

**710 Phys Ed 9** **Required** .5 Credit 9/10  
 In this course (intended for 9<sup>th</sup> grade), students will receive an all-inclusive exposure to multiple areas of physical fitness. Students will explore activities designed to improve their all-around physical fitness and health. There will be an emphasis on physical activities/exercises that can be performed and enjoyed for a lifetime, rather than just while they are young. Student will exit this class with a thorough understanding of the benefits of regular exercise on their mental, social and physical health. Activities will be both individual and team-based throughout the duration of the course.

**725 Team Sports** Elective .5 Credit 9/10/11/12  
 This class will cover the rules, skills and strategies of team sports. Students will receive a comprehensive background in multiple team sport activities, with the goal of giving the student the skills and understanding needed to participate and compete in these sports for a lifetime. Some of the sports covered are flag football, soccer, speedball, team handball, basketball, volleyball, field hockey, nitro ball and softball. Both written and physical assessments will be administered. Activities covered will vary according to the quarter that the student is enrolled in.

**728 Aquatics** Elective .5 Credit 9/10/11/12  
 The class will teach a variety of different water-based activities including swim stroke technique, snorkeling, water games, lifeguarding and rescue skills, spring board diving, rock wall climbing, and basic water-safety skills.

**730 Dual & Individual Sports** Elective .5 Credit 9/10/11/12  
 This class will cover the rules, skills and strategies of team sports. Students will receive a comprehensive background in multiple team sport activities, with the goal of giving the student the skills and understanding needed to participate and compete in these sports for a lifetime. Some of the sports covered are tennis, pickleball, strength training, badminton, snowshoeing, swimming, self-defense and nitro ball. Both written and physical assessments will be administered.

**733 Sports Conditioning** Elective .5 Credit 9/10/11/12  
 This is a comprehensive condition course in which the student will be involved in every aspect of physical fitness. The weight training portion of the class will involve many modern aspects of strength training, including cross-fit, kettlebell training, and barbell training, along with more traditional and time-proven methods. Students in this course will also participate in agility, medicine ball, flexibility, and cardiovascular training. Student who are enrolling in this course should have a strong desire to both work hard and improve their overall physical conditioning.

**735 Wisconsin Outdoors** Elective .5 Credit 10/11/12  
 In this physical education course, students will learn about and participate in a wide range of outdoor-based activities that are available to them in Wisconsin, with a strong emphasis on hunting & fishing. A sampling of activities includes kayaking/canoeing, fishing, hunting, hiking, camping, ice fishing, biking, snowshoeing and cross-country skiing. Not all classes will take place outdoors, but most will. Multiple off-site field trips will be scheduled throughout the course. Additional early-morning, after-school and weekend opportunities may be available for students who desire them.

**750 Everday Exercise** Elective .5 Credit  
 This is a class for the student that wants more than the non-traditional Physical Education. They are also interested in fitness and learning more about how to take care of the body outside of the school setting. This class will deal with aerobic exercise and the use of heart rate monitors and pedometers, stretching movements with the use of foam rollers and static stretching. It will also include activities such as core strength with stability balls and medicine balls, yoga, dumb bell and kettle bell strength training and fitness boxing. There will be a major project with the use of the pedometers and nutrition that students will do during the 9-week class.

# Science

## Graduation Requirements - 3 Credits

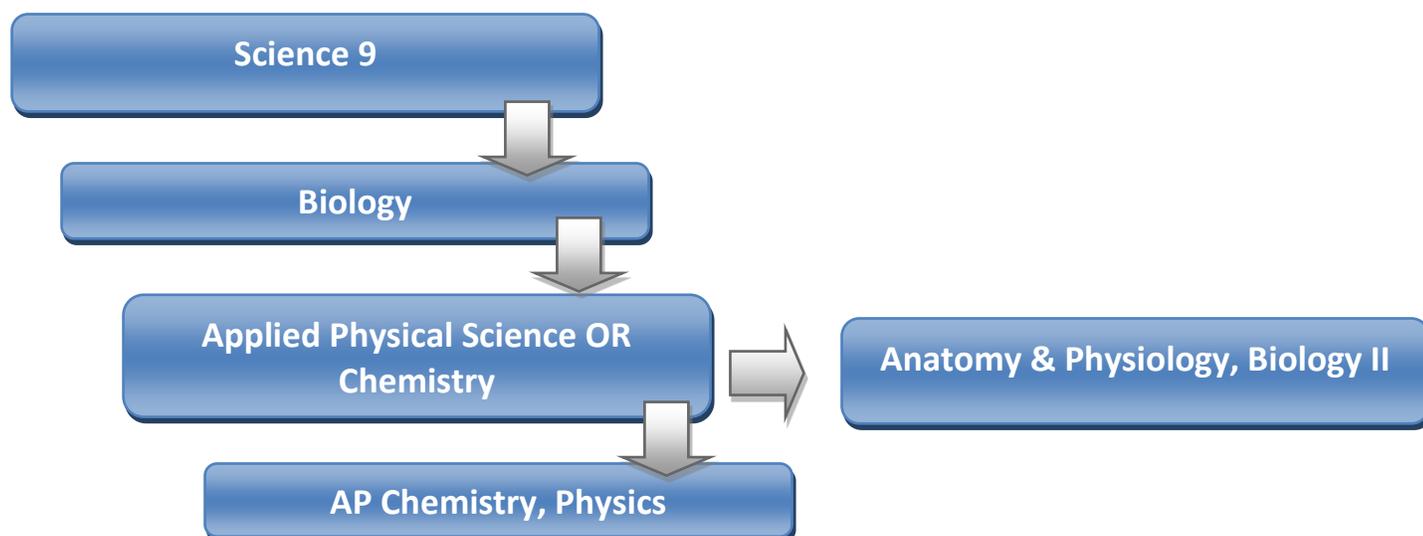
### Required Courses

801	Science 9	839	Applied Physical Science <u>OR</u>
820	Biology I	840	Chemistry
All state academic standards are met in the required courses.			

### Elective Course

850	Physics	872	Weather & Climate
855	AP Chemistry	874	Field Science Aquatics
860	Biology II	875	Anatomy and Physiology (DC)
870	Field Science Environmental	830	Medical Terminology (DC)
871	Field Science Resource Mgmt		Introduction to Botany
825	STEAM		

Students planning on attending college or technical school, especially in a math/science field are encouraged to take Chemistry, Physics, Biology II and/or Anatomy & Physiology as well as advanced math classes.



<b>801 Science 9</b>	<b>Required</b>	<b>1 Credit</b>	<b>9</b>
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Science 9 is a general science class consisting of an introduction to chemistry, physics, geology, and astronomy. The chemistry unit focuses on matter and its properties, classification, and interactions. The physics unit will concentrate on motion and forces. Geology is the study of the Earth's composition and the changes it undergoes. Astronomy involves the position of the Earth with respect to the solar system and the study of the rest of the universe.

<b>820 Biology I</b>	<b>Required</b>	<b>1 Credit</b>	<b>10</b>
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In Biology I, the student receives a basic introduction to the life science that includes the study of plants and animals. The microscope, a basic tool of the biologist, will be used by the student in their investigation. Skills and activities to be taught will include: use and care of the microscope, preparation of biological slides, use of taxonomic keys, classifying of living things, understanding the working of an individual cell (both structurally and chemically), and learning to work with others in a cooperative and constructive manner. Zoology divides the animal kingdom into two groups, those with backbones and those without. We will compare the two. Animal habits and life cycles will be investigated and an in-depth view of certain species will be undertaken, including dissections of some of those species. Genetics is the study of heredity, and in this section, we will investigate the principals of inheritance. Botany is the study of plant life, and in this section we will concentrate on the identification and general nature of plants. Skills and activities to be taught will include: the understanding of the means of inheritance, and skills in determining the probability of characteristics in a given offspring.

<b>839 Applied Physical Science</b>	<b>Required</b>	<b>1 Credit</b>	<b>11</b>
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*Prerequisites: Science 9 & Biology I, Teacher Recommendation*

Applied Physical Science is designed to fulfill science requirements otherwise covered in chemistry and physics. The intention of this course is to apply chemistry and physics to situations found in everyday life. Topics will include the structure of atoms and matter, chemical reactions, conservation of energy, and interactions of matter and energy. The course will be taught in a hands-on context.

<b>840 Chemistry</b>	<b>Required</b>	<b>1.5 Credits</b>	<b>11/12</b>
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*Prerequisites: Science 9 and Algebra, Teacher Recommendation*

Chemistry is a course for students wanting to pursue post-high school education. This is an experiential course in which students will use necessary safety skills, experimental techniques, graphical analysis, and thinking skills to acquire and use information. Students will investigate topics such as measurement, atomic and molecular structure; chemical nomenclature and formulas; the periodic table and periodic trends; mole concept, stoichiometry, gas laws, acids, and bases. Lab reports and oral presentations are required.

<b>850 Physics</b>	<b>Elective</b>	<b>1 Credit</b>	<b>12</b>
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*Prerequisites: Science 9 and Advanced Algebra, Trigonometry and Chemistry are strongly recommended*

Physics is a course structured for students wishing to pursue post-high school education. Students function as teams that investigate phenomena based on the discovery approach. This course unites both applied and classical physics experiments. Students will investigate mechanics, thermodynamics, electricity, magnetism, wave phenomena, and modern physics. Lab reports and oral presentations are required.

<b>855 AP Chemistry</b>	<b>Elective</b>	<b>1 Credit</b>	<b>12</b>
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*Prerequisites: completion of Chemistry with a "B" or above, permission of instructor*

AP Chemistry is an advanced placement chemistry course. Upon completion of the course, students will be eligible (but not required) to take the AP chemistry placement test for college credit. Topics include: advanced study of the gas law, stoichiometry, water and aqueous systems, properties of solutions, reaction rates and equilibrium, acids and bases, oxidation-reduction, electrochemistry, hydrocarbon compounds, functional groups and organic reactions, and advanced reactions dealing with metals and nonmetals.

<b>860 Biology II</b>	<b>Elective</b>	<b>.5 Credit</b>	<b>11/12</b>
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*Prerequisite: Biology I and permission of instructor*

This course is designed primarily for the college-bound student. Laboratory projects are the main activities of this course. They include an insect collection, chicken behavior modifications, Wisconsin fast plants experiment, and an independent science project. This course is designed to expose students to important skills in composing scientific collections, reports, and composition of lab reports.

<b>870 Field Science - Environmental</b>	<b>Elective</b>	<b>.5 Credit</b>	<b>9/10/11/12</b>
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This course designed for students interested in environmental problems. As our population has increased, so has the stress put on our environment. Topics covered will be worldwide population growth, land use decisions, air, water, and soil quality, resource depletion, and endangered species. The objective of the course is to learn how to adapt our lifestyles to one that may ensure that our impact on the natural environment will be minimal. There will be outdoor studies as well as labs performed indoors.

<b>871 Field Science – Resource Mgmt</b>	<b>Elective</b>	<b>.5 Credit</b>	<b>9/10/11/12</b>
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This course is designed as a natural resource course covering topics in ecology, plant and animal communities, compass and map use, wildlife management, and forestry. Environmental appreciation is an underlying theme. Outdoor field studies include tree and plant identification, timber cruising, developing management plans, conducting population estimates, and orienteering. Many class periods will be spent outdoors.

<b>872 Weather &amp; Climate</b>	Elective	.5 Credit	9/10/11/12
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Everyone loves to talk about the weather. In this course, a wide variety of topics will be covered including atmospheric studies, storm formation, climate, and forecasting. Incorporated into this class will be daily atmospheric measurements, map interpretation, and prediction. We will also discuss the social and economic implications the weather places on us.

<b>874 Field Science - Aquatics</b>	Elective	.5 Credit	10/11/12
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This course studies the management of lakes, streams, and ponds. Emphasis of the course will be on understanding aquatic habitats. Topics will include: a history of fish management, interrelationships of fish and other aquatic life; carrying capacity, productivity, reproduction, competition, and perdition of fish; techniques of managing fish populations and the waters in which they live; and fish behavior and fishing techniques. Outdoor labs will include testing water, identifying aquatic animal and plant species present, and evaluating the productivity of different bodies of water.

<b>875 Anatomy &amp; Physiology - Dual Credit</b> 	Elective	.5 Credit	11/12
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See page 10 for NTC Course Name, Number, and NTC Credits Earned

Prerequisite: Biology I

This is a Dual credit course and **will follow NTC requirements for Body Structure and Functions**. Students will receive 3 credits of general science at NTC Wausau. This course is designed to take a more in-depth look at the human body. Multiple dissections and activities will focus on the complex systems and their interactions in the human body. Dissections will include several specific mammal organs such as deer hearts, pig brains, cow eyes and conclude with a cat dissection. This course is recommended for any student considering post-secondary education, especially those entering any medical related field. Students that usually take this course at NTC are enrolled in programs or certificate programs of Surgical Technician, Medical Coding Specialist, Medical Transcriptionist or Health Care Business. ONLY juniors and seniors who register for Dual credit will receive the Dual credit.

<b>830 Medical Terminology - Dual Credit</b> 	Elective	.5 Credit	11/12
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See page 10 for NTC Course Name, Number, and NTC Credits Earned

Prerequisite: Biology I

The learner will focus on the component parts of medical terms: prefixes, suffixes and word roots. The learner practices formation, analysis and reconstruction of terms. Emphasis is on spelling, definition and pronunciation, introduction to operative, therapeutic and symptomatic terminology of all body systems, as well as systematic and surgical terminology.

<b>Xxx Introduction to Botany</b> (formerly Horticulture)	Elective	.5 Credit	10/11/12
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This course introduces the science and technology of botany/ horticulture. Growing plants for foods, ornamental, landscape or recreational purposes. The course involves lectures, writing, discussions, labs and field trips. This course is structured to provide you a survey of horticulture. The process will include understanding fundamental concepts integral to all aspects of production and management such as climate, soil, culture, pest management, harvesting, preservation and marketing.

<b>825 STEAM</b>	Elective	.5 Credit	9/10/11/12
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STEAM is an interdisciplinary (Science, Technology, Engineering, Arts and Mathematics) course designed to engage students in real world, hands-on, collaborative learning while mastering core mathematical and physical science concepts. Students will examine basic principles of mathematics, chemistry and physics through real world learning experiences designed to develop critical thinking, collaborative and problem solving skills.

# Social Studies

## Graduation Requirements - 3 credits

### Required Courses

887	American Global Marketplace	All state academic standards are met in the required courses.
901	US History I	
902	US History II	
899	Civics	

### Elective Courses – Students MUST choose ONE additional credit to meet graduation requirements

	World Cultures (Alternate year- <b>EVEN</b> )
892	West Civ-Medieval Times
893	West Civ-Industrial Revolution (Alternate year- <b>ODD</b> )
914	Intro to Psychology
911	Intro to Sociology (DC)
920	Intro to Diversity (DC)
935	Law

<b>885 American Global Marketplace</b>	<b>Required</b>	.5 Credit	9
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American Studies is broken into two distinct parts: one half of the course is devoted to the American economic system. Classical concepts such as supply and demand, scarcity, opportunity cost, factors of production, etc., will be combined with an applied approach during which students develop, start, and maintain a business.

<b>899 Civics</b>	<b>Required</b>	.5 Credit	10
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Students will explore the basic skills and knowledge it takes to be a productive and involved citizen in the rapidly changing world. Students will learn the basics of the Constitution, federal, state and local government, the American legal system, and political parties. Students will analyze different forms of government and explain the function of government. The overall goal of this course is for students to understand their rights and duties as citizens. At the completion of this course students will take the required civics test. Students must pass this test in order to graduate.

<b>Western Civilization</b>	Elective	.5 Credit	9/10/11/12
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**World Cultures (alternate year – EVEN)**  
Students will study the cultures of different regions around the world including food, dance, resources, and geography.

**892 Western Civilization: Medieval Times through the Renaissance**  
Knights in armor, feudal kings, warfare, and great discoveries - take a trip through a thousand years of turmoil and destruction, culminating in the rebirth of cities.

**893 Western Civilization: Industrial Revolution through World War I (alternate year – ODD)**  
See how the other half lived during an era of wealth, poverty, and revolution. Learn how countries grew and quarreled; quarreling which eventually ended in the bloodiest war in history, World War I. Learn how the machine gun, tanks, and planes changed warfare forever as you dive into the causes, battles, and results of the war that was to end all wars.

<b>901 US History I</b>	<b>Required</b>	.5 Credit	9
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This course is a thematic examination of the history of the United States, starting with civil war moving through WWII. The class will consist of some lecture, various video and audio presentations, reading material from various sources and levels of ability, group work, role playing, and simulations.

<b>902 US History II</b>	<b>Required</b>	.5 Credit	10
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We will cover materials with a “time-line vision” understanding how post-WWII events affect the US and world relations today. We will cover 1945-present, including current conflicts in the middle east. Studies of historical literacy will include a heavy emphasis on recognizing the social, cultural and economic considerations that affect historical change and modern global culture.

**914 Intro to Psychology** Elective .5 Credit 11/12  
(10 with permission of instructor)

This course will introduce the students to major topics, problems and concerns within the field of psychology, as well as the scientific study of the mind and behavior. The students will be introduced to statistical and scientific methods used in psychological research, and emphasis will be placed on improving the students' critical thinking abilities. Topics to be covered will include sensation, perception, altered states, memory, learning, personality, intelligence, developmental theories, motivation and emotions, social behavior, abnormal behavior and therapy. This course is recommended for college bound students.

**920 Intro to Diversity (Dual credit)**  (even year) Elective .5 Credit 11/12

Introduces learners to the study of diversity from a local to a global environment using a holistic, interdisciplinary approach. Encourages self-exploration and prepares the learner to work in a diverse environment. In addition to an analysis of majority/minority relationships in a multicultural context, the primary topics of race, ethnicity, age, gender, class, sexual orientation, disability and religion are explored.

**911 Intro to Sociology (Dual credit)**  Elective .5 Credit 11/12

Introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism and the five institutions, including family, government, economics, religion and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization and workplace issues.

**835 Law** Elective .5 Credit 11/12

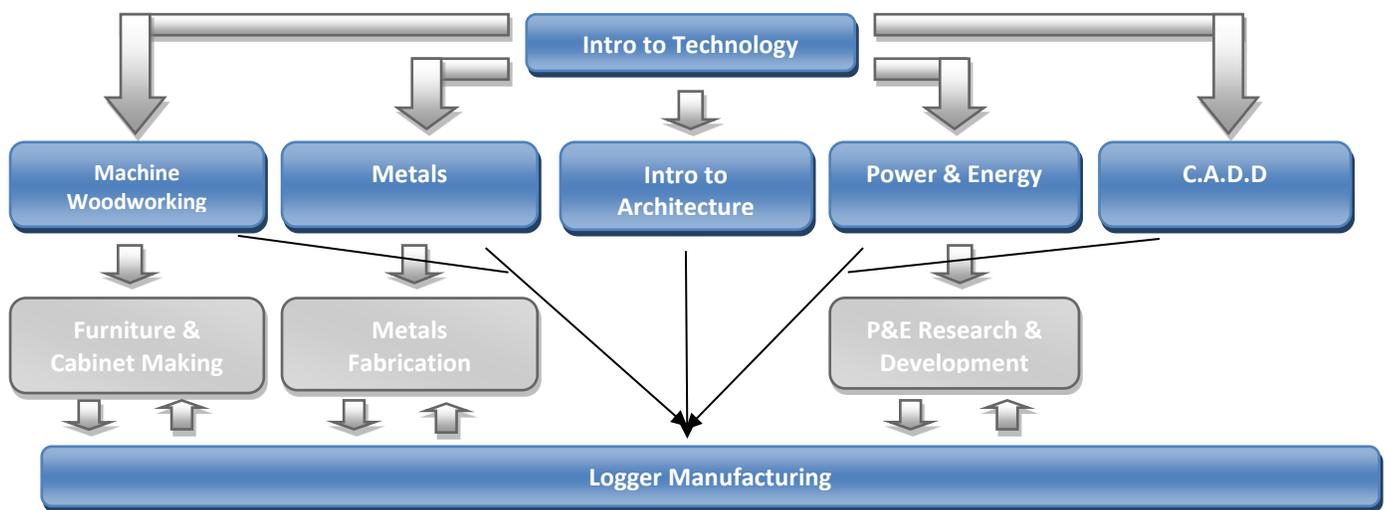
This course examines the strengths and weaknesses in our judicial system. Criminal law will be the primary focus for role-play, discussions, lecture, community activity, simulations, and mock trials. We will examine the occupations of some people who work within the system. The background of our justice system, rehabilitation efforts, and future outlook will be covered.

# Technology Education

**Graduation Requirements** - None

**Elective Courses**

940	Introduction to Technology A/B	985	Power & Energy
950	Machine Woodworking	986	Power & Energy Research & Development
960	Furniture & Cabinet Making	992	Metals Fabrications (DC)
975	Introduction to Architecture	979	CADD (Computer Aided Design & Drafting)
980	Metals	997	CNC Product Design & Manufacturing
982	Home & Auto Maintenance	998	IEMT I (DC) Microcontrollers
955	Intro to Building Trades	959	Product Design
958	Manufacturing Careers		
999	Logger Manufacturing		
952	Do It Yourself Home Projects		



**940 Introduction to Technology A/B** Elective .5 9/10/11/12

Everyone is a consumer and user of the products of technology. The purpose of this course is to introduce the content of technology education to the student, enrich their understanding of technology-related careers, and serve their basic needs as consumers in a technological world. The course contains key elements of each of the four systems of technology; communications, construction, manufacturing, and transportation. The course will provide hands-on experience with processes, materials, tools, machines, management ideas, and the impacts of technology.

**950 Machine Woodworking** Elective 1 Credit 9/10/11/12

*Prerequisite: Introduction to Technology*

This course is designed to introduce the student to the fundamentals of working safely and efficiently with both hand and power woodworking tools. The areas of instruction include: safety, machine operation, joinery, tool care and maintenance, and finishing. This unit will build on the skills developed in beginning units of machine woodworking. Students will be introduced to wood technology, basic furniture and cabinet design.

**955 Introduction to Building Trades** Elective .5 Credit 10/11/12

*Prerequisite: Introduction to Technology*

This course is designed to introduce students to the skilled trades and the practices used within them. Students will gain knowledge and skills through classroom and lab activities in the areas of masonry, carpentry, plumbing, and electrical systems. Activities will include floor and wall framing, assembling a plumbing system for a kitchen sink, wiring an electrical system common to residential buildings, and blueprint reading to name a few.

<b>960 Furniture &amp; Cabinet Making</b> (Alternate Year – EVEN)	Elective	1 Credit	11/12
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*Prerequisites: Machine Woodworking and permission of the instructor*

Furniture and Cabinet Making is set up basically as a lab course. However, there will be sufficient classroom activities given to explore commercial production methods. Skills and activities to be taught will include: safety review of woodworking machines and processes, blueprint reading (understanding working drawings), becoming familiar with woodworking terminology, developing a product (design process), construction of an object from a set of blueprints, portable power tools used in woodworking, tool sharpening and general tool maintenance, estimating materials costs and quantities, studying types of furniture and cabinet construction, gluing and clamping procedures, and finishing.

<b>975 Introduction to Architecture</b> (even year)	Elective	.5 Credit	10/11/12
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*Prerequisite: Introduction to Technology or Mechanical Drawing recommended*

This course serves as an introduction to the field of architecture with emphasis on residential construction. This study will include the history of the family dwelling, construction principles, building codes, and architectural working drawings necessary to build a residence. Students will develop skill with drafting tools and techniques, learn to design interiors and exteriors, plan a set of construction drawings including foundations, framing walls and roofs, detail drawings, and become familiar with the factory or pre-fabricated housing industry.

<b>980 Metals (Manufacturing Materials &amp; Processes)</b>	Elective	1 Credit	9/10/11/12
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*Prerequisite: Introduction to Technology*

This course will cover the basic manufacturing processes used in the production of goods from metal. It will also allow the student to become familiar with the different types of metals and their properties. The student will learn basic skills in arc welding, oxyacetylene welding and cutting, hand tool usage, sheet metal fabrication and layout, blueprint reading, heat treating, safety and machine tool usage. Machine tools used will include the metalworking lathe, milling machine, band saw, drill press, and grinder.

<b>982 Home &amp; Auto Maintenance</b>	Elective	.5 Credit	11/12
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Home and Auto Maintenance will introduce the student to many different methods used in the upkeep and general repair of homes and automobiles. Since these two items consume a large portion of most family incomes, and since most students will probably be auto owners and homeowners, it is essential that students have a basic knowledge of home and auto maintenance methods. This course is designed for the student who does not have a broad technology education background. The student will learn how to safely use various hand tools and power tools. The course will cover how to troubleshoot problems associated with carpentry, masonry, plumbing, and electrical wiring. It will also cover how to perform basic auto maintenance tasks such as checking belts, fluids, and brakes. This course will also help the students make the decision between fixing it themselves or seeking professional help.

<b>985 Power &amp; Energy</b>	Elective	.5 Credit	10/11/12
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*Prerequisite: Introduction to Technology*

This course will introduce the student to the basics of power transmission and the use of energy. Topics that will be covered include the basic operation and repair of small engines, electricity and its applications, hydraulics, pneumatics, automotive systems, and transportation systems. The course will provide several lab activities in all areas.

<b>986 Power &amp; Energy Research and Development</b>	Elective	.5 Credit	11/12
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*Prerequisites: Power and Energy and permission of instructor*

This course will be an individual contract course covering all areas of power transmission, use of energy, and transportation systems. This course will include a more in-depth study of the content of Power and Energy as well as energy sources, energy conversion, propulsion systems, suspension systems, control systems, guidance systems, and structural systems. The different careers related to power and energy will also be explored.

<b>979 CADD (Computer Aided Design &amp; Drafting)</b>	Elective	.5 Credit	10/11/12
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*Prerequisite: Introduction to Technology*

CADD will introduce students to the basics in mechanical drawing and design. Students will learn how to visualize, interpret, produce, and modify technical drawings to modern industrial practices and standards. A project-based learning approach will be used to introduce students to the steps in design and technical drawing production.

<b>992 Metals Fabrication Dual Credit</b>	 Northcentral TECHNICAL COLLEGE	Elective	.5 or 1 Credit	11/12
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**(Advanced Manufacturing Materials & Processes)** See page 10 for NTC Course Name, Number, and NTC Credits Earned

*Prerequisites: Metals and permission of instructor; Mechanical Drawing is recommended*

This course serves as an in-depth study of the metalworking industry and the processes used in metal fabrication. It will cover the designing and testing of products, advanced operations used on the machine tools, metallurgy, heat treating, arc welding in all positions, MIG welding, TIG welding, sheet metal layout and design, and the different careers in and related to the metalworking industry. Many vocational-type skills will be studied and practiced. The student will plan individual products, construct these products, complete quality control testing of these products, and evaluate these products for practical use. ONLY juniors & seniors who register for Dual credit will receive the Dual credit.

<b>958 Manufacturing Careers</b>		Elective	.5 Credit	9/10/11/12
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*Prerequisite: Introduction to Technology*

This class is designed for students interested in a career in manufacturing. Blueprint reading, project design and manufacturing technology processes will be explored. Students will also be involved in exploring employment opportunities in local industries. Exposure to technical college programs will be integrated. The course will involve guest speakers and tours, as well as arranged job shadowing.

<b>997 CNC Product Design &amp; Manufacturing</b>		Elective	.5 Credit	10/11/12
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*Prerequisite: Introduction to Technology*

In this course students will learn how to use CNC drawing software, create/save toolpaths, set up and run CNC machines to manufacture a project of their choice. Topics covered will include concepts of 2D and 3D machining, principles of design, feed rates, depth of cut, material characteristics, G-code, types of tool paths, etc to name a few. This course will be a primarily hands-on/lab experience. Student creativity is highly encouraged!

<b>959 Product Design</b>		Elective	1.0 Credit	11/12
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*Prerequisites: Introduction to Technology, CNC, CADD or permission of instructor*

In this class, students will choose a product in which they will design, build and test it. This project will be done in small groups utilizing the FAB LAB as well as traditional software and equipment. Students will learn how to problem solve, build and evaluate possible solutions for specific problems as well as improving initial designs.

<b>999 Logger Manufacturing</b>		Elective	0.5 Credit Per Quarter	
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*Prerequisites: Woods, Metals or CADD and Instructor's Permission*

The class will focus on using previously learned skills to design and construct products as part of the Logger Manufacturing business. This course is designed to be a hands-on course with students learning all aspects of how a business operates. Students will be in charge of the daily responsibilities of operation to manufacture various products. Students will apply for various job positions. Each student will carry out the responsibilities of their position. Positions may include, but are not limited to: Production Manager, Accountant, Welders, Assemblers, Designers, Maintenance, etc.

<b>952 Do It Yourself Home Projects</b>		Elective	0.5 Credit	9/10/11/12
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No Prerequisites ~ The focus of this course is to explore and construct simple structures using everyday tools such as hammers, hand saws, drill press, screw drivers etc. Students who have a desire to complete "do it yourself" projects, but have little to no experience in the shop are encouraged to enroll. Students will review and apply measurement skills in completing projects. The goal of this introductory course is to develop confidence in the use of household tools. This course is open to all students, especially those not skilled in the industrial technology area. Project ideas are (but not limited to) birdhouses, decorative shelves, small tables, etc.

# World Languages

**Graduation Requirements** – none

<b>Spanish I, II, III, IV</b>	Elective	1.0 credit per course	9/10/11/12
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This course is an introduction to the study of the target language and its culture. It allows students to perform the most basic functions of the language and to become familiar with elements of the interesting and wonderful cultures. Emphasis is placed on the development of the four skills of listening, speaking, reading and writing within a given context, extending outside of the classroom setting when possible. The context focuses on the students' lives and experiences and includes an exposure to everyday customs and lifestyles. Grammar is integrated throughout the course and is selected according to the language needs. Students acquire some insight into how languages and cultures work by comparing the target language and culture(s) to their own. Spanish II, III & IV will allow students to gain more familiarity and comfort with the above skills, providing them comfort and confidence in their ability to understand and use the language.

## Miscellaneous Courses

<b>Senior Leadership Seminar</b>	Required	0.5 credit	12
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This required course for seniors begins with personality typing in an effort to understand why we do things the way we do and to especially understand why others do the things they do. This leads to a unit on teams and teamwork, which integrates many mini-projects involving teams. Character development words such as trustworthiness, caring, respect, responsibility, fairness and citizenship are discussed and demonstrated through personal stories and reflections from community members in a "chat" format. Students are required to complete a service project to benefit a group either in school or out of school. This course will also discuss life skills such as banking, retirement options, care and health insurance, credit, car buying and renting. Each student will be required to complete a portfolio, which is a visual resume.

### Career-Based Learning Experiences

Students have an opportunity to build positive work-related skills while earning high school credit. Students are strongly encouraged to choose sites related to their career pathways of interest. Also, we recommend that students request a job shadow time with a potential site prior to making the decision to apply for placement.

There are three options for students listed below with the requirements for each of the options.

**Youth Apprenticeship (YA)** - Wisconsin's YA program is offered to Juniors and Seniors as a path for students to explore a career while still in high school. It is designed for students who want hands-on learning in an occupation area of interest along with related classroom instruction. Students can work with the school counselor to complete the applications and site placement. To be considered a YA opportunity it must match up to one of the following YA programs that can be found at: <https://www.ntc.edu/academics-training/youth-apprenticeships>

Requirements for YA: Complete an application, be hired in a YA field, 450 paid hours per year (including summer hours), complete related school coursework each semester (including one dual credit course), complete evaluations.

**School-To-Work** - Wisconsin's Work-Based Learning (WBL) program is part of a statewide School-to-Work initiative. This program is also offered to Juniors and Seniors as a path for students to explore a career while still in school. School-to-Work placements can be in any career field and can be paid or unpaid. Students can work with the school counselor to complete the applications. If students are locating a site be sure to connect with the school counselor to make sure the site will meet the requirements.

Requirements for School-to-Work: Complete an application, 90 hours per school year, complete related school coursework for one semester, complete evaluations.

**Student Assistant (SA)** -The SA program is an option for students to complete a short-term School-to-Work placement or to support a school staff member in the district. This program is offered to Juniors and Seniors however, Juniors can only earn .5 credit of a SA unless it is directly related to their career pathway. Ideally, students are taking related school coursework but this is not a requirement. Students can work with the school counselor to complete the application but will be expected to have the lead on locating a supervisor for their placement who will be responsible for completing an attendance log on a weekly basis.

Requirements for SA: Complete an application, complete evaluations.