Wawasee High School
Course Description Guide
2025-2026

For the classes of 2026, 2027, and 2028

INTRODUCTION

This Course Description Guide has been prepared for you with the hope of providing you with the material you need to make the most informed decisions about course selection. Wawasee High School offers a variety of courses and opportunities within its curriculum. These courses and programs are designed to help meet the abilities and interests of students with the ultimate plan to help students meet their future goals.

All of the courses listed in this guidebook are part of the Core 40, Academic Honors, and Technical Honors Diploma track, with state competencies defined, unless stated otherwise in the individual course description. Refer to the Graduation Requirements on pages 7-8 to determine which courses are diploma requirements or electives.

Through the information in this guide, group meetings and individual student conferences, we have made every effort to make students aware of the curriculum, requirements, and procedures used in registration and scheduling. Included in this course description guide is information about graduation requirements, Academic Honors, Technical Honors, and Core 40 Diploma criteria, Advanced Placement courses and Dual Credit courses.

Each spring, students make important decisions regarding the courses they will take the following year. Consider your future plans carefully. If students and parents work together along with their school counselor and use this guide wisely to make course selections, then a satisfactory schedule can be made and students will be prepared to meet their future goals. Parent support is very important. Thank you for your cooperation.

High School Personnel:

Principal . . . . . Geoff Walmer
Assistant Principal . . . . . John Snyder
Assistant Principal . . . . . Steve Perek
Athletic Director . . . . . Brent Doty
CTE Director . . . . . Tina Schmucker
CTE Career Counselor . . . . . Lindsey Kroening
Guidance Director . . . . . Kevin Taylor
Counselor . . . . . Jerid Stoffel
Counselor . . . . . Rebecca Puckett

Wawasee High School
#1 Warrior Path, Building #1
Syracuse, IN 46567-9132
www.wawasee.k12.in.us

Complete course and program descriptions are available at the Indiana Department of Education website:
2025-26 Course Descriptions

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The following topics can be located in your student's handbook and are posted at the Wawasee High School website, ***https://www.wawaseeschools.org/domain/34***.

- ➢ Academic Hall of Fame
- ➢ Early Graduation
- ➢ Grading Scale & Grade Conversion Chart
- ➢ Honor Roll
- ➢ Pass-Fail Courses
- ➢ Selection of Valedictorian, Salutatorian & Honors Section

PROCEDURES FOR SCHEDULING AND SCHEDULE CHANGES

1. Students will begin the scheduling process of selecting classes for the following school year in January and February. Every effort will be made to honor student requests. Ultimately, the school has the right to determine a student's schedule. Every effort possible will be made to work out conflicts and finalize schedules before students leave for summer vacation.

2. Students must select classes to fill fourteen slots. **Sophomores, Juniors and Seniors** may choose two HIT periods (if they qualify for HIT). Refer to the Multidisciplinary section of this guidebook for HIT requirements. Students need to work with their parents and counselor to choose their classes wisely.

3. Schedule changes must be requested with their school counselor within seven days of the last day of school. After this deadline, student initiated schedule changes will not be permitted prior to the start of the next school year.

4. Students or Parents may not choose or request the teachers for their classes.

PROGRESS & SEMESTER GRADE REPORTS

Parents can have access to their student's current grades via the internet using Skyward. We encourage parents to use Skyward regularly. Progress reports and transcripts will be posted in the student's portfolio in Skyward. Contact the guidance office to receive your password information.

Progress (midterm) grade reports will be issued once per semester at the 9-week mark; halfway through each semester.

Final grade transcripts will be posted in the student's portfolio in Skyward at the end of each semester. The posted transcripts will include their cumulative GPA and class rank.

RETAKING A FAILED REQUIRED COURSE

If a student fails a required course for graduation, the student must make up the course. Three options are available: re-enroll in the course, credit retrieval on the computer, or summer school (if offered). If you have any questions, please see your school counselor. Students may not retake a course for the sole purpose of raising their GPA. A student may retake a course to stay on track for an Honors Diploma. Students can only retake classes in-house or through Edmentum if students earned a grade below a C- their first time taking the course. A student may retake one class (one semester only) to improve a grade during his/her high school career and it must be within one year after receiving the semester grade of the class being retaken (may not be done after graduation).

WAWASEE CENTER FOR ACADEMIC PROGRESS

The administration at Wawasee High School will determine whether the best placement for a student is at The Center for Academic Progress. All students attending the Center are considered Wawasee High School students and must follow the same rules as a student at the high school and will be given the opportunity to earn a WHS diploma. A student may attend full-time or they may participate in credit retrieval through the center, with Administration approval. Students attending full-time must also take a CTE program in their schedule.

AP COURSES

AP (Advanced Placement) classes help prepare students for college and will make demands upon them equivalent to those of college courses. All AP classes semester final grades will be weighted 3-points with a grade of C- or above. AP is a dual-enrollment partnership between Ivy Tech and or Purdue Fort Wayne and Wawasee High School. For more information on AP, go to: **https://www.ivytech.edu/dual-credit/11380.html** website.

Students enrolled in an AP class will have the opportunity to take the AP exam in May. There may be an additional cost for the exam. The AP classes are similar to college- or university-level courses in terms of depth of coverage and the reading required. Those who score well on the AP exam can receive advanced standing, credit, or both from the college they plan to attend. For more information, go to: ***The College Board*** website.

AP Classes

Biology II-AP
Physics II-AP
Calculus AB-AP
Calculus BC-AP
Chemistry II-AP
US History-AP
Statistics-AP
AP English Language and Composition
AP English Literature and Composition

HONORS COURSES

Honors classes are designed for the students that exhibit a higher level of skills, self-motivation in completing class work, a desire to meet the challenge of enriched assignments, and a high level of performance. Refer to the individual course descriptions for any prerequisite requirements needed to enroll in these classes. Each department reserves the right to grant or deny a student enrollment in an honors class. All honors classes final semester grades will be weighted 1 point with a grade of C- or above. The honors classes offered at Wawasee are:

Algebra I-Honors (8th grade)
Geometry-Honors (9th grade)
Algebra II-Honors
Biology I-Honors
English 9-Honors
English 10-Honors

DUAL CREDIT COURSES

Students have the opportunity to earn dual credits if they meet the dual credit requirements set by the participating college. Students are responsible for any additional tuition costs charged by the participating college for dual credits. Transferring these college credits to other colleges/universities depends on the individual school's transfer policy and the student's major of study. Students and/or their families are responsible for contacting their individual schools of interest to inquire how these credits will transfer and supplying their chosen college with a transcript from the college they earned the dual credits. Students are responsible for enrolling, registering, and making payments at the participating college and meeting the expectations set out by the institution to earn dual credits. Click here to learn the differences between AP, Honors, ACP, and Dual Credit Courses.

Courses at Wawasee High School that offer dual credits and their college credits are listed below. For further information, see the class instructor or your school counselor. These are the courses available at the time of publication.

Adv. Life Science – Animals	3	Ivy Tech
Adv. Life Science – Plants & Soils	3	Ivy Tech
Agribusiness Management	3	Ivy Tech
Animal Science	3	Ivy Tech
Biology II AP	3	Ivy Tech
Chemistry II AP	3	Ivy Tech
Civil Engineering & Architecture	3	Ivy Tech
Creative Writing	3	Ivy Tech
Digital Electronics	3	Ivy Tech
Calculus AB AP	4	PFW
Calculus BC AP	4	PFW
AP English Language and Composition	3	Ivy Tech
AP English Literature and Composition	3	Ivy Tech
Greenhouse and Soilless Production	6	Ivy Tech
Horticulture Science	3	Ivy Tech
Intro to Engineering & Design	3	Ivy Tech
Natural Resources	3	Ivy Tech
Plant & Soil Science	3	Ivy Tech
Precalculus / Trigonometry	6	PFW
Principles of Agriculture	3	Ivy Tech
Principles of Engineering	3	Ivy Tech
Quantitative Reasoning	3	Ivy Tech
Statistics AP	3	PFW

CAREER AND TECHNICAL DUAL CREDIT COURSES & CERTIFICATIONS

Courses with possible dual credit and/or certifications available through the Pathways Career & Technical programs are listed below. Refer to the individual course description in the Career/Technical Education section of this guidebook for dual credit and certifications available. Questions about dual credit courses and certifications earned in a career and technical program, should be referred to the Pathways Career & Technical.

Automotive Services Technology I & Capstone
Building Trades Technology I & Capstone
Computer Tech Support I & Capstone
Cosmetology I & Capstone
Culinary Arts I & Pastry Capstone
Education Professions I & Capstone
Engineering Technology I & Capstone
Emergency Medical Training (EMT)
Fire Rescue I & Capstone
Health Science / Pre-Nursing I & Capstone
Marine Mechanics & Power Sports I & Capstone
POLYWOOD Academy I & Capstone
Radio and Television I & Capstone
Veterinary Careers I & Capstone
Welding Technology I & Capstone

Graduation Requirements

These minimum requirements are subject to change per the Indiana Department of Education and/or the Wawasee Community School Board of Trustees.

Core 40 Diploma – 40 total credits required

Students must earn the following minimum credits:

- 8 credits in English/Language Arts
- 6 credits in Mathematics (minimum 6 credits of math while in 9-12th grade)
- 6 credits in Science
- 6 credits in Social Studies
- 2 credits in Physical Education
- 1 credit in Health
- 6 credits in a Career Academic Sequence
- 5 credits in Directed Electives
- A Math or Quantitative Reasoning Course every year of high school
  https://www.in.gov/doe/files/Quantitative-Reasoning-courses-list-fall-2021.pdf

Academic Honors Diploma – 47 total credits required

Students must

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits (6 of the 8 total math credits must be in 9-12th grade).
- Earn 6-8 foreign language credits (6 credits in one language or 4 credits in two languages).
- Earn 2 fine arts credits.
- Earn a grade of "C-" or above in courses that count toward your diploma.
- Have a cumulative GPA of 8.0 "B" or above.
- Complete one of the following:
- Two AP courses & corresponding AP exams
- Six college credits of dual high school/college courses
- One AP course and corresponding AP exam AND 3 college credits of dual high school/college courses
- Earn a combined score of 1250 or higher on the SAT. With a minimum score of:
  - 590 in reading/writing and 560 in mathematics
- Earn an ACT composite score of 26 or higher and complete the writing portion

Technical Honors Diploma – 47 total credits required

Students must:

- Complete all requirements for Core 40.
- Earn six credits in a college and career pathway and one of the following:
- State approved, industry recognized certification or credential, or
- Six Pathway college credits of dual high school/college courses.
- Earn a grade of "C-" or above in courses that count toward your diploma.
- Have a cumulative GPA of 8.0 "B" or above.
- Complete one of the following:
  a. Any of the options (A-E) of the Academic Honors Requirements
  b. Earn the following minimum scores on WORK KEYS; Reading for Information-Level 6, Applied Mathematics-Level 6, and Locating Information-Level 5.
  c. Earn the following minimum scores on ACCUPLACER; Writing, 80; Reading, 90; Math, 75
  d. Earn the following minimum scores on COMPASS; Algebra 66, Writing 70, and Reading 80

Graduation Pathway Requirements

Graduation Requirements (Students must earn each of these 3 requirements)	**Options**
1 **High School Diploma** (Students must complete the course requirements of 1 of these diploma options)	● **Academic Honors** ● **Technical Honors** ● **Core 40**
2 **Learn & Demonstrate Employability Skills** (Students must complete at least 1 of these options and have a product)	● **Project-Based Learning Experience** ● **Service-Based Learning Experience** ● **Work-Based Learning Experience**
3 **Post-Secondary Competencies** (Students must complete at least one of the these options)	● **Honors Designation**: Fulfill all requirements of either the Academic or Technical Honors designation ● **ACT**: College-ready benchmarks (must meet at least 2 of 4 requirements): ○ English - 18 **OR** Reading - 22 **AND** ○ Math - 22 **OR** Science - 23 ● **SAT**: College-ready benchmarks: ○ EB Reading & Writing - 480 **AND** ○ Math - 530 ● **ASVAB**: Earn at least a minimum AFQT score of 31 ● **State- and Industry-recognized Credential or Certification** ● **Federally-recognized Apprenticeship** ● **Career-Technical Education Concentrator:** ○ **Class of 2023 and 24**: Must earn a C average or higher in a Concentrator A and Concentrator B CTE pathway ○ **Starting with the Class of 2025**: Must earn a C average or higher in Next Level Program Courses (Principles, Concentrator A and Concentrator B courses) within a CTE pathway ● **AP/Dual Credit**: Must earn a C average in at least 3 courses (1 of the 3 courses must be in the Core Transfer Library **OR** All 3 courses must be part of 1 CTE Pathway)

COURSE DESCRIPTIONS

AGRICULTURE

PRINCIPLES OF AGRICULTURE **(7117 PRIN AG)**

2 Cr / 2 Sem gr. 9-10-11-12

- This introductory course is designed for students with an interest in our environment, plants, animals, and agriculture careers.
- This course is a recommended prerequisite for other agriculture courses.
- Students have the opportunity to earn six (6) dual credits in the Ivy Tech course AGRI 100 and AGRI 102.

Principles of Agriculture exposes students to the diversity of career options found within the agricultural industry and to other agribusiness concepts. Students will develop an understanding of the role of agriculture in the United States and globally. Students will explore Agriculture, Food, and Natural Resource (AFNR) systems related to the production of food, fiber and fuel and the associated health, safety and environmental management systems. Topics covered in the course range from animals, plants, food, natural resources, ag power, structures and technology, and agribusiness. Participation in FFA and Supervised Agricultural Experiences (SAE) will be an integral part of this course in order to develop leadership and career ready skills.

AGRI-SCIENCE - PLANTS OR ANIMALS PATHWAY

ANIMAL SCIENCE **(5008 ANML SCI)**

2 Cr /2 Sem gr. 10-11-12

- Prerequisite: Principles of Agriculture
- Students have the opportunity to earn 3 dual credits in the Ivy Tech AGRI 103.

Animal Science provides students with an overview of the animal agriculture industry. Students participate in a variety of activities and laboratory work including real and simulated animal science experiences and projects. All areas that the students study may be applied to both large and small animals. Topics to be covered in the course include: history and trends in animal agriculture, laws and practices relating to animal agriculture, comparative anatomy and physiology of animals, biosecurity threats and interventions relating to animal and human safety, nutrition, reproduction, careers, leadership, and supervised agricultural experiences relating to animal agriculture.

PLANT AND SOIL SCIENCE **(5170 PLT SL SCI)** ***Offered 2025-2026***

2 Cr / 2 Sem gr. *9-10-11-12 *grade 9 with instructor's approval

- Prerequisite: Principles of Agriculture
- The second semester of this course will center primarily on plant science
- Students have the opportunity to earn three (3) college credits in the Ivy Tech course AGRI 105
- This course meets the state standards and requirements for a science credit for all diplomas
- **This course is offered every other year and will be offered in 2025-2026**

Plant and Soil Science a two semester course that provides students with opportunities to participate in a variety of activities including laboratory and field work. Coursework includes hands-on learning activities that encourage students to investigate areas of plant and soil science. Students are introduced to the following areas of plant and soil science: plant growth, reproduction and propagation, photosynthesis and respiration, diseases and pests of plants and their management, biotechnology, the basic components and types of soil, soil tillage, and conservation.

ADVANCED LIFE SCIENCE: ANIMALS **(5070 ALS ANIML)**

2 Cr /2 Sem gr. 11-12

- Prerequisite: Principles of Agriculture
- Recommended Prerequisite: Biology and Integrated Chemistry/Physics or Chemistry I.
- This course meets the state standards and requirements for a science credit for all diplomas.
- Students have the opportunity to earn three (3) dual credits in the Ivy Tech course AGRI 107.

Advanced Life Science: Animals provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to history and trends in animal agriculture as related to animal welfare, husbandry, diseases and parasites, laws and practices relating to handling, housing, environmental impact, global sustainable practices of animal agriculture, genetics, breeding practices, biotechnology uses, and comparative knowledge of anatomy and physiology of animals used in animal agriculture.

ADVANCED LIFE SCIENCE: PLANTS AND SOILS **(5074 ALS PLY/SL)**

2 Cr / 2 Sem gr. *10-11-12 *grade 10 with instructor's approval

- Prerequisite: Principles of Agriculture
- Recommended Prerequisite: Biology and Integrated Chemistry/Physics or Chemistry I.
- Students have the opportunity to earn three (3) college credits in the Ivy Tech course AGRI 109.
- This course meets the state standards and requirements for a science credit for all diplomas.

Advanced Life Science: Plants and Soils provides students with opportunities to participate in a variety of activities including laboratory work. Students study concepts, principles, and theories associated with plants and soils. Knowledge gained enables them to better understand the workings of agricultural and horticultural practices. They recognize how plants are classified, grow, function, and reproduce. Students explore plant genetics and the use of plants by humans. They examine plant evolution and the role of plants in ecology. Students investigate, through laboratories and fieldwork, how plants function and how soil influences plant life.

HORTICULTURE PATHWAY

HORTICULTURE SCIENCE **(5132 HORT SCI)** ***Offered 2025-2026***

2 Cr / 2 Sem gr. 10-11-12

- Prerequisite: Principles of Agriculture
- This course is designed to give students a background in the field of horticulture and its many career opportunities.
- Students wanting to successfully complete the landscape class should consider this course.
- Greenhouse management is an important component and students will be involved through the growing, production, processing, and marketing of horticultural plants.
- Students wanting to participate in FFA horticulture judging competition are encouraged to take this course.
- Students have the opportunity to earn three (3) college credits in the Ivy Tech course AGRI 116.
- **This course is offered every other year and will be offered in 2025-2026.**

Horticulture Science provides students with a background in the field of horticulture. Coursework includes hands-on activities that encourage students to investigate areas of horticulture as it relates to the biology and technology involved in the production, processing, and marketing of horticultural plants and products. Students are introduced to the following areas of horticulture science: reproduction and propagation of plants, plant growth, growth-media, management practices for field and greenhouse production, marketing concepts, production of plants of local interest, greenhouse management, floral design, and pest management. Students participate in a variety of activities including extensive laboratory work usually in a school greenhouse.

GREENHOUSE & SOILLESS PRODUCTION **(7114 GRN S PROD)** ***Offered 2026-2027***

2 Cr / 2 Sem gr. 10-11-12

- Prerequisite: Principles of Agriculture
- Students planning to pursue a career in horticulture or food production are strongly encouraged to take this course.
- Students will be active in greenhouse management through hands-on activities.
- Students have the opportunity to earn six (6) college credits in the Ivy Tech course AGRI 129 and AGRI 175.
- **This course is offered every other year and will be offered in 2026-2027.**

Greenhouse and Soilless Production provides an overview of structural designs and uses of enclosed structures (greenhouses) to grow various plants and food. The course will focus on discussing different types of enclosed structures, management systems, and growing systems used to produce plants and food. The course will also present an overview of soilless growing systems such as hydroponics, aquaponics, aeroponics and fogponics. Students will utilize the school greenhouse as part of this course.

AG MECHANICAL & ENGINEERING PATHWAY

AGRICULTURE STRUCTURES: FABRICATION AND DESIGN **(7112 AG ST FAB DES)**

2 Cr / 2 Sem gr. 10-11-12

- Prerequisite: Principles of Agriculture
- This course is a recommended prerequisite for those students interested in the Automotive Services Technology, Marine Mechanics, and Welding classes.

Agricultural Structures Fabrication and Design focuses on metalwork and agricultural structures.This course allows students to develop skills in welding and metalworking, construction, fabrication, machine components and design while incorporating the engineering design process.Students will also cover safety topics for each area while demonstrating appropriate health and safety standards.

AGRICULTURE POWER, STRUCTURE, & TECHNOLOGY **(5088 AG POW)** ***Offered 2025-2026***

2 Cr / 2 Sem gr. 10-11-12

- Recommended Prerequisite: Principles of Agriculture
- This course is a recommended prerequisite for those students interested in the Automotive Services Technology, Marine Mechanics, and Welding classes.

Agriculture Power, Structure and Technology is a lab-intensive course in which students develop an understanding of the basic principles of tool selection, operation, maintenance, and management of agricultural equipment in concert with the utilization of technology. Topics covered include: safety, problem-solving/troubleshooting, electricity, plumbing, concrete, carpentry, metal technology, engines, emerging technologies, leadership development, supervised agricultural experience, and career opportunities in the area of agriculture power, structure, and technology.

NATURAL RESOURCES PATHWAY

NATURAL RESOURCES **(5180 NAT RSS)** ***Offered 2026-2027***

2 Cr /2 Sem gr. 10-11-12

- Prerequisite: Principles of Agriculture
- This course centers on the conservation of our natural resources including fish and wildlife involving the use of the high school Nature Trail and outdoor lab.
- Students have the opportunity to earn three (3) college credits in the Ivy Tech course AGRI 115.
- This course meets the state standards and requirements for a science credit for all diplomas.
- **This course is offered every other year and will be offered in 2026-2027.**

Natural Resources provides students with a background in environmental science and conservation. Course work includes hands-on learning activities that encourage students to investigate areas of environmental concern. Students are introduced to the following areas of natural resources: soils, the water cycle, air quality, outdoor recreation, forestry, minerals, interrelationships between humans and natural systems, wetlands, wildlife, safety, careers, leadership, and supervised agricultural experience programs.

SOIL & WATER MANAGEMENT **(7271 SOIL WATR MGMT** ***Offered 2025-2026***

2 Cr /2 Sem gr. 10-11-12

- Prerequisite: Principles of Agriculture
- This course meets the state standards and requirements for a science credit for all diplomas.
- **This course is offered every other year and will be offered in 2025-2026.**

Soil and Water Management provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to geological information system mapping (GIS), soil and land use, water and aquatic ecology, as well as environmental issues and career exploration.

CAPSTONE EXPERIENCE

AGRIBUSINESS CAPSTONE-CL **(7238 AG BUS CAP)**

2 Cr / 2 Sem gr. 11-12

- Prerequisite: Any Agriculture Pathway
- Highly recommended for students desiring to pursue an agricultural degree in college.
- Students will gain first-hand experience operating and managing an actual agribusiness enterprise.
- During the second semester the class will visit a number of local agribusinesses and utilize guest speakers to broaden their understanding of the variety of agribusinesses.

The Agribusiness Management Capstone (Classroom) introduces students to the Principles of agribusiness management and leadership from a local and global perspective, with the utilization of technology. The course will help students build a strong knowledge base of the agribusiness industry as they study agribusiness types, communications, agricultural law, leadership, and teamwork, ethics, and agricultural economics. Additionally, students will understand the role of selling in the agricultural economy, stressing the points and terminology necessary in today's agriculture. Students will demonstrate principles and techniques for planning, development, application and management of agribusiness systems through project-based learning and supervised agriculture experience (work-based learning) programs. This course can be used as a capstone experience for any agriculture pathway.

AGRIBUSINESS CAPSTONE- FE (SAE) **(7238 AG BUS CAP)**

4 Cr / 2 Sem gr. 11-12

- Prerequisite/Corequisite: Agribusiness Capstone- CL
- Students may utilize this portion of the capstone course to obtain work experience.
- Students will provide their own transportation to and from their workplace and must work a minimum of 75 hours per credit.

The Agribusiness Management Capstone (Field Experience) introduces students to the Principles of agribusiness management and leadership from a local and global perspective, with the utilization of technology. The course will help students build a strong knowledge base of the agribusiness industry as they study agribusiness types, communications, agricultural law, leadership, and teamwork, ethics, and agricultural economics. Additionally, students will understand the role of selling in the agricultural economy, stressing the points and terminology necessary in today's agriculture. Students will demonstrate principles and techniques for planning, development, application and management of agribusiness systems through project-based learning and supervised agriculture experience (work-based learning) programs. This course can be used as a capstone experience for any agriculture pathway.

AGRICULTURE RESEARCH CAPSTONE- CL **(7262 AG RES CAP)**

2 Cr / 2 Sem gr. 11-12

- Prerequisite: Agribusiness Capstone CL
- Students must complete the classroom portion of their capstone prior or concurrently with the field experience portion of the capstone.
- Students provide their own transportation to and from their workplace and must work a minimum of 75 hours per credit

The Agricultural Research Capstone includes extended laboratory, field, and literature investigations in one or more specialized agricultural science disciplines, such as animal, plant, food, natural resources, biotechnology, engineering, etc. Students enrolled in this course will apply scientific applications, concepts, principles, and design processes to solve complex, real-world issues in agriculture. Students will become familiar with laboratory procedures used in an educational, research, or industrial setting. Students will complete an end-of-course project and presentation, such as a scientific research paper, agriscience fair project, or some other suitable presentation of their findings. This course can be used as a capstone experience for any agriculture pathway.

AGRICULTURE RESEARCH CAPSTONE- FE (SAE) **(7262 AG RES CAP)**

4 Cr / 2 Sem gr. 11-12

- Prerequisite: Agribusiness Capstone CL and Agriculture Research Capstone CL
- Students must complete the classroom portion of their capstone prior or concurrently with the field experience portion of the capstone.
- Students provide their own transportation to and from their workplace and must work a minimum of 75 hours per credit

The Agricultural Research Capstone includes extended laboratory, field, and literature investigations in one or more specialized agricultural science disciplines, such as animal, plant, food, natural resources, biotechnology, engineering, etc. Students enrolled in this course will apply scientific applications, concepts, principles, and design processes to solve complex, real-world issues in agriculture. Students will become familiar with laboratory procedures used in an educational, research, or industrial setting. Students will complete an end-of-course project and presentation, such as a scientific research paper, agriscience fair project, or some other suitable presentation of their findings. This course can be used as a capstone experience for any agriculture pathway.

AGRICULTURE MECHANIZATION AND TECHNOLOGY CAPSTONE - CL (7228 AG MECH CAP)

2 Cr / 2 Sem gr. 11-12

- Prerequisite: Agribusiness Capstone CL
- Students must complete the classroom portion of their capstone prior or concurrently with the field experience portion of the capstone.
- Students provide their own transportation to and from their workplace and must work a minimum of 75 hours per credit

The Agriculture Mechanization and Technology Capstone builds upon the knowledge and skills developed in the Principles, Ag Power, Structures and Technology, Agricultural Structures Fabrication and Design courses by developing advanced skills that students can apply to the field. Students enrolled in this course will participate in lab activities involving agricultural equipment such as fueled power engines, electrical motors, pneumatic and hydraulic systems, etc. Students will be instructed on the operation, maintenance, repair, engineering and design of the agricultural mechanics and technology systems. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience.

AGRICULTURE MECHANIZATION AND TECHNOLOGY CAPSTONE - FE (SAE) (7228 AG MECH CAP)

4 Cr / 2 Sem gr. 11-12

- Prerequisite: Agribusiness Capstone CL and Agriculture Mechanization Capstone CL
- Students must complete the classroom portion of their capstone prior or concurrently with the field experience portion of the capstone.
- Students provide their own transportation to and from their workplace and must work a minimum of 75 hours per credit

The Agriculture Mechanization and Technology Capstone builds upon the knowledge and skills developed in the Principles, Ag Power, Structures and Technology, Agricultural Structures Fabrication and Design courses by developing advanced skills that students can apply to the field. Students enrolled in this course will participate in lab activities involving agricultural equipment such as fueled power engines, electrical motors, pneumatic and hydraulic systems, etc. Students will be instructed on the operation, maintenance, repair, engineering and design of the agricultural mechanics and technology systems. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience.

HORTICULTURE CAPSTONE - CL (7232 HORT CAP)

2 Cr / 2 Sem gr. 11-12

- Prerequisite: Agribusiness Capstone CL
- Students must complete the classroom portion of their capstone prior or concurrently with the field experience portion of the capstone.
- Students provide their own transportation to and from their workplace and must work a minimum of 75 hours per credit

The Horticulture Capstone builds upon the knowledge and skills developed in the Principles, Horticultural Science, and Greenhouse and Soilless Production courses by developing advanced skills that students can apply to the field. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience.

HORTICULTURE CAPSTONE - FE (SAE) **(7232 HORT CAP)**

4 Cr / 2 Sem gr. 11-12

- Prerequisite: Agribusiness Capstone CL and Horticulture Capstone CL
- Students must complete the classroom portion of their capstone prior or concurrently with the field experience portion of the capstone.
- Students provide their own transportation to and from their workplace and must work a minimum of 75 hours per credit

The Horticulture Capstone builds upon the knowledge and skills developed in the Principles, Horticultural Science, and Greenhouse and Soilless Production courses by developing advanced skills that students can apply to the field. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience.

BUSINESS EDUCATION

PRINCIPLES OF BUSINESS MANAGEMENT **(4562 PRIN BUS)**

2 Cr / 2 Sem gr. 9-10-11-12

- Recommended Prerequisites: None

Principles of Business Management examines business ownership, organization principles and problems, management, control facilities, administration, financial management, and development practices of business enterprises. This course will also emphasize the identification and practice of the appropriate use of technology to communicate and solve business problems and aid in decision making. Attention will be given to developing business communication, problem-solving, and decision-making skills using spreadsheets, word processing, data management, and presentation software.

BUSINESS MANAGEMENT PATHWAY (Marketing Focus)

MARKETING FUNDAMENTALS **(5914 PRN MRKT)**

2 Cr / 2 Sem gr. 10-11-12

- Required Prerequisites: Principles of Business Management

Marketing Fundamentals provides a basic introduction to the scope and importance of marketing in the global economy. Course topics include the seven functions of marketing: promotion, channel management, pricing, product/service management, market planning, marketing information management, and professional selling skills. Emphasis is marketing content but will involve use of oral and written communications, mathematical applications, problem-solving, and critical thinking skills through the development of an integrated marketing plan and other projects.

STRATEGIC MARKETING **(5918 STRT MRKT)**

2 Cr / 2 Sem gr. 10-11-12

- Required Prerequisites: Principles of Business Management; Marketing Fundamentals

Strategic Marketing builds upon the foundations of marketing and applies the functions of marketing at an advanced level. Students will study the basic principles of consumer behavior and examine the application of theories from psychology, social psychology, and economics. The relationship between consumer behavior and marketing activities will be reviewed.

BUSINESS ADMINISTRATION PATHWAY

MANAGEMENT FUNDAMENTALS **(7143 MGMT FUND)**

2 Cr / 2 Sem gr. 10-11-12

- Required Prerequisites: Principles of Business Management

Management Fundamentals describes the functions of managers, including the management of activities and personnel. Describes the judicial system and the nature and sources of law affecting business. Studies contracts, sales contracts with emphasis on Uniform Commercial Code Applications, remedies for breach of contract and tort liabilities. Examines legal aspects of property ownership, structures of business ownership, and agency relationships.

ACCOUNTING FUNDAMENTALS **(4524 INTO ACCT)**

2 Cr / 2 Sem gr. 10-11-12

- Required Prerequisite: Principles of Business Management

Accounting Fundamentals introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making.

CAPSTONES IN BUSINESS

SMALL BUSINESS OPERATIONS CAPSTONE **(7201 BUS MGMT CAP)**

2 Cr / 2 Sem gr. 11-12

- Required Prerequisites: Any CTE Business Concentrator Sequence except Business Administration
- Counts as a Directed Elective or Elective for all diplomas.
- Recommended Capstone course for Entrepreneurship, Insurance, and Marketing and Sales Programs of Study.

The Small Business Operations Capstone is an applied course, and students will be implementing the correct legal, business, human resources, operations, marketing and financial structures after de- risking their idea and launching their business.

BUSINESS ADMINISTRATION CAPSTONE **(7256 BUS ADMIN CAP)**

2 Cr / 2 Sem gr. 11-12

- Required Prerequisites: Principles of Business Management; Management Fundamentals; OR Marketing Fundamentals; Accounting Fundamental**s**
- Recommended Capstone course for Entrepreneurship, Insurance, and Marketing and Sales Programs of Study.

The Business Administration Capstone course will allow students to explore advanced topics in business leadership including Human Resources and International Business. Additionally students will have the chance to complete Managerial Accounting. Throughout the course students will develop business communication skills through work on projects, labs, and simulations. All of these courses represent key business competencies required by nearly all postsecondary Business schools.

ADDITIONAL ELECTIVE BUSINESS COURSES

STUDENT MEDIA **(1086 STDNT MEDIA)**

2 Cr / 2 Sem gr. 10-11-12

- Recommended Prerequisites: None

Student Media, a course based on the High School Journalism Standards and the Student Media Standards, is the continuation of the study of Journalism. Students demonstrate their ability to do journalistic writing and design for high school media, including school newspapers, yearbooks, and a variety of other media formats. Students follow the ethical principles and legal boundaries that guide scholastic journalism. Students express themselves publicly with meaning and clarity for the purpose of informing, entertaining, or persuading. Students work on high school media staff so that they may prepare themselves for career paths in journalism, communications, writing, or related fields.

PERSONAL FINANCIAL RESPONSIBILITIES **(4540 PRSFINRSP)**

1 Cr / 1 Sem gr. 10-11-12

- Recommended Prerequisites: None

Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals, identify sources of income, savings, and investing; understand banking, budgeting, record-keeping and manage risk, insurance and credit card debt. A project based approach and applications through authentic settings such as work based observations and service learning experiences are appropriate. Direct, concrete applications of mathematics proficiencies in projects are encouraged.

PERSONAL FINANCE AND BANKING **(7150 PERSON FIN/BNK)**

2 Cr / 2 Sem gr. 10-11-12

- Required Prerequisites: Principles of Business Management

Personal Finance and Banking emphasizes management of individual financial resources for growth and maintenance of personal wealth. Covers home buying and mortgage financing, installment financing, life and health insurance, securities, commodities and other investment opportunities. Students will gain an overview of the banking industry and the financial services provided by banks for individuals and businesses.

CAREER EXPLORATION INTERNSHIP **(0530 CAR EXP INT)**

2-3 Cr / 1-2 Sem (Out-of-School Internship) gr. 11-12

- Six credits maximum (any combination of PCI-2 and/or PCI-3)
- Two or three period course
- Required Prerequisites: Preparing for College and Careers
- Students must apply and interview for this course. Past attendance, discipline referrals, and grades will be taken into consideration.
- There is a requirement of 18 hours of seminar coursework which connects the student's academic coursework to the Work-Based Learning Experience. These coursework hours are in addition to the 75 hours of OJT (On-the-Job-Training). The student should complete academic coursework connected to the WBL experience and aligned to the student's career interests prior to utilizing this code.
- Students must supply their own transportation.

The Career Exploration Internship (CEI) course consists of a paid or unpaid work experience in the public or private sector that provides for workplace learning in an area of student career interests. Unlike the Work-Based Learning Capstone course in which students gain expertise in a specific occupation, CEI is intended to expose students to broad aspects of a particular industry or career cluster area by rotating through a variety of work sites or departments. In addition to their workplace learning activities, students participate in (1) regularly scheduled meetings with their classroom teacher, or (2) a regularly scheduled seminar with the teacher for the purpose of helping students make the connection between academic learning and their work-related experiences. A clear partnership agreement and training plan is developed by the student, parent or guardian, school, and employer partner to guide the student's work-based experiences and assist in evaluating achievement and performance. Specific instructional standards tied to the career cluster or pathway and learning objectives for the internship must be written to clarify the expectations of all parties.

WBL CAPSTONE **(5974 WBL CAPS)**

2-3 Cr / 1-2 Sem (Out-of-School Internship gr. 11-12

- Six credits maximum (any combination of PCI-2 and/or PCI-3)
- Two or three period course
- Required Prerequisites: Complete at least one advanced CTE course from a program or program of study. Student's worksite placement must align to the student pathway
- Students must apply and interview for this course. Past attendance, discipline referrals, and grades will be taken into consideration.
- Internship placement must match a student's career interest. There is no requirement for additional coursework beyond the workplace activities due to the course's prerequisite.
- A minimum of 75 hours of workplace and classroom activities are required for one credit; 150 hours are required for two credits.
- Students must supply their own transportation.

WBL Capstone is a stand-alone course that prepares students for college and/or a career. This course occurs in real or simulated workplace settings and involves an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement and training plan is developed by the student, parent or guardian, school, and employer partner to guide the student's work-based experiences and assist in evaluating achievement and performance. Related instruction shall be organized and planned around the activities associated with the student's individual job and career objectives in a pathway and shall be taught either on-the-job or in a classroom setting during the same semester the student is participating in the work-based experience. For a student to become employable, the related instruction should cover: (a) employability skills, and (b) specific occupational competencies.

ENGINEERING & TECHNOLOGY EDUCATION

ENGINEERING TECHNOLOGY: PROJECT LEAD THE WAY

Wawasee High School is a certified Project Lead the Way (PLTW) School. PLTW is a national pre-engineering curriculum aimed at preparing an increasing and diverse group of students to be successful in engineering and engineering related careers. Wawasee High School proudly offers five PLTW courses.

ENGINEERING TECHNOLOGY I (SUPERMILEAGE)

4-6 Cr / All Year / 2-3 Pds gr. 9-12 **(4802, 5644, 5650 or 5538 see below)**

- Prerequisite: Completion of Algebra I & Geometry or teacher recommendation
- Possibility of earning dual credits through Ivy Tech
- Depending on what students need in this Pathway will determine whether it is a 2 period or 3 period block.

4802 Introduction to Engineering & Design gr. 9-12 **(INT ENG DES)**

Introduction to Engineering Design is a fundamental pre-engineering course where students become familiar with the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D design and modeling software to represent and communicate solutions. Students apply their knowledge through hands-on projects and document their work with the use of an engineering notebook. Students begin with completing structured activities and move to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Ethical issues related to professional practice and product development are also presented. NOTE: This course aligns with the PLTW Introduction to Engineering Design curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

5644 Principles of Engineering gr. 10-12 **(PRNC ENG)**

Principles of Engineering is a course that focuses on the process of applying engineering, technological, scientific, and mathematical principles in the design, production, and operation of products, structures, and systems. This is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, and materials engineering. Students will engage in research, development, planning, design, production, and project management to simulate a career in engineering. The topics of ethics and the impacts of engineering decisions are also addressed. Classroom activities are organized to allow students to work in teams and use modern technological processes, computers, CAD software, and production systems in developing and presenting solutions to engineering problems. Schools may use the PLTW curriculum to meet the standards for this course. NOTE: This course aligns with the PLTW Principles of Engineering curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

5650 Civil Engineering and Architecture gr. 10-12 **(CIVIL ENG)**

Civil Engineering and Architecture introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. Emphasis should be placed on learning ways that environmental factors might influence the planning and design of a project. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design. NOTE: This course aligns with the PLTW Civil Engineering and Architecture curriculum. Use of the PLTW Curriculum may require additional training and membership in the PLTW network.

5538 Digital Electronics gr. 10-12 **(DIG ELEC)**

Digital Electronics is a course of study in applied digital logic that encompasses the design and application of electronic circuits and devices found in video games, watches, calculators, digital cameras, and thousands of other devices. Instruction includes the application of engineering and scientific principles as well as the use of Boolean algebra to solve design problems. Using computer software that reflects current industry standards, activities should provide opportunities for students to design, construct, test, and analyze simple and complex digital circuitry software that will be used to develop and evaluate the product design. This course engages students in critical thinking and problem-solving skills, time management and teamwork skills. NOTE: This course aligns with the PLTW Digital Electronics curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

ENGINEERING TECHNOLOGY CAPSTONE (SUPERMILEAGE) **(5698 ENG DES DEV)**

Varies Cr / 2 Sem gr. 11-12

- Prerequisites: Any PLTW or Engineering Technology course or instructor permission.
- Application required for this course.
- Meets the requirements for a Quantitative Reasoning Course.
- This course is now a CTE course. However, it can be taken for one, two, or three periods for both semesters.

Engineering Design and Development (EDD) is an engineering research course in which students work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide the team to reach a solution to the problem. The team and/or individual(s)communicates their solution to a panel of stakeholders at the conclusion of the course. As a capstone course in the Engineering Pathway, EDD engages students in critical thinking, problem-solving, time management, and teamwork skills. NOTE: This course aligns with the PLTW Engineering Design and Development curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

This class builds a vehicle that competes in various local, national, and international supermilage competitions.. Students will be involved in real-world engineering by designing, building, and testing a vehicle created to obtain the best fuel efficiency. Engineering is the process of applying scientific and mathematical principles in the design, production, and operation of products, structures, and systems. An engineer is a highly-educated and trained problem solver who engages in the functions of research, development, planning, design, production, and project management. Engineers often work as part of a team to plan, design, and supervise a product from conception to completion. This new CTE course is an exciting hands-on course designed to provide students interested in careers in engineering with opportunities to explore various specialized fields such as design, mechanical, and materials engineering.

Engineering Design and Development (EDD) is an engineering research course in which students work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide the team to reach a solution to the problem. The team and/or individual(s)communicates their solution to a panel of stakeholders at the conclusion of the course. As a capstone course in the Engineering Pathway, EDD engages students in critical thinking, problem-solving, time management, and teamwork skills. NOTE: This course aligns with the PLTW Engineering Design and Development curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

INDUSTRIAL TRADES TECHNOLOGY

INTRODUCTION TO DESIGN PROCESSES **(4794 INT DES PRO)**

1 Cr / 1 Sem gr. 9-10-11-12

- Prerequisite: None

Introduction to Design Processes is a course that specializes in modern design and engineering processes with a focus on creative problem solving in developing, testing, communicating, and presenting post-evaluation of products. Students use the design process to analyze, research, and develop solutions to problems. This process gives a framework through which they design, manufacture, test, and present their ideas. Students will demonstrate and utilize design principles and elements for visual presentation. Designing aspects will also cover aesthetics, ergonomics, the environment, safety, and production. The design process is a core-learning tool for many courses enabling the student to solve problems in a systematic, logical and creative manner. Students develop a good understanding of the way the process helps them think creatively and develop aesthetic ideas. The design process encourages the students to engage in higher level thinking to create solutions for many types of problems.

INTRODUCTION TO CONSTRUCTION **(4792 INT CONST)**

2 Cr / 2 Sem gr. 9-10-11-12

- Prerequisite: None

Introduction to Construction offers students hands-on activities and real-world experiences related to the skills essential in residential, commercial, and civil building construction. During the course students will be introduced to the history and traditions of construction trades. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students are introduced to blueprint reading, applied math, basic tools and equipment, and safety. Students will demonstrate building construction techniques, including concrete and masonry, framing, electrical, plumbing, dry walling, Heating, Ventilation, and Air Conditioning (HVAC), and painting as developed locally in accordance with available space and technologies. Students learn how architectural ideas are converted into projects and how projects are managed during a construction project in this course. Students study construction technology topics such as preparing a site, doing earthwork, setting footings and foundations, building the superstructure, enclosing the structure, installing systems, finishing the structure, and completing the site. Students also investigate topics related to the purchasing and maintenance of structures, special purpose facilities, green construction and construction careers.

COMPUTER SCIENCE

INTRODUCTION TO COMPUTER SCIENCE AND DIGITAL TECHNOLOGY **(4803 INTO CS IT)**

1 Cr / 1 Sem gr. 9-10-11-12

- Prerequisite: None

Introduction to Computer Science allows students to explore the world of computer science and digital technology. Students will gain a broad understanding of the areas composing computer science and digital technology fields. Specifically, there is a focus on the areas of computer programming, gaming/mobile development, and artificial intelligence/ robotics.

COMPUTER SCIENCE I **(7183, 7351, 7352 see below)**

2 Cr / 2 Sem gr. 10-11-12

- Prerequisite: Successful completion of Algebra I
- Recommended Prerequisite: Intro to Coding
- Possibility of earning dual credits through Ivy Tech Community College for SDEV120
- This will not be offered in a 3 period block schedule. They will be offered as singletons.
- Classes must be taken in order below.

7183 Principles of Computing **(PRIN COMP INFO)**

Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. The course will begin by exploring trends of computing and the necessary skills to implement information systems. Topics include operating systems, database technology, cybersecurity, cloud implementations and other concepts associated with applying the principles of good information management to the organization. Students will also have the opportunity to utilize basic programming skills to develop scripts designed to solve problems. Students will learn about algorithms, logic development and flowcharting.

7351 Topics in Computer Science **(TOP COMP SCI)**

Topics in Computer Science is designed for students to investigate emerging disciplines within the field of computer science. Students will use foundational knowledge from 7183 Principles of Computing to study the areas of data science, artificial intelligence, app/game development, and security. Students will utilize knowledge related to these areas and programming skills to develop solutions to authentic problems.

7352 Computer Science **(COMP SCI)**

Computer Science introduces the fundamental concepts of procedural programming. Topics include data types, control structures, functions, arrays, files, and the mechanics of running, testing, and debugging. The course also offers an introduction to the historical and social context of computing and an overview of computer science as a discipline.

COMPUTER SCIENCE CAPSTONE **(7353 COMP SCI CAP)**

2-6 Cr / 2 Sem gr. 12

- Prerequisite: Principles of Computing/ Topics in Computer Science/ Computer Science
- Counts as a directed elective or elective for all diplomas

Computer Science Capstone provides a working understanding of the fundamentals of procedural and object-oriented program development using structured, modular concepts and modern object-oriented programming languages. Reviews control structures, functions, data types, variables, arrays, and data file access methods. The course is a second level computer science course introducing object oriented computer programming, using a language such as Java or C++. Object-oriented concepts studied include classes, objects, inheritance, polymorphism, operator overloading, exception handling, recursion, abstract data types, streams and file I/O. Students will explore programming concepts such as software reuse, data abstraction and event-driven programming.

ENGLISH / LANGUAGE ARTS

ENGLISH 9 **(1002 ENG 9)**

2 Cr / 2 Sem gr. 9

- This course has an orientation toward a position in the business, work world or toward college preparation.

Through the integrated study of literature, composition, and oral communication, English 9 students further develop their use of language as a tool for learning and thinking and as a source of pleasure. Students practice identifying, analyzing, and composing different elements, structures, and genres of written language.

In addition, students should be responsible for taking personal time for both instructional and recreational reading.

ENGLISH 10 **(1004 ENG 10)**

2 Cr / 2 Sem gr. 10

- This course has an orientation toward a position in the business, work world, or toward college preparation.

Language arts instruction is cumulative. Thus, English 10 reinforces and continues to make full use of many of the activities and skills of English 9. Beyond these, English 10 adds the following emphasis: (1) consideration of a wide range of literature, and (2) increased focus on the self-conscious choice of comprehension and writing strategies. In addition, students should be responsible for taking personal time for both instructional and recreational reading.

ENGLISH 11 **(1006 ENG 11)**

2 Cr / 2 Sem gr. 11

- This course is for the student who plans to attend a 2 or 4-year college or technical school, or plans a position in the business or work world, or who wishes to meet the basic requirements of a third year of general Language Arts studies.

Through the integrated study of literature, composition, and oral communication, English 11 students further develop their use of language as a tool for learning and thinking and as a source of pleasure. In English 11, students move from predominantly analyzing and using the elements of written language to making judgments based on those analyses.

ENGLISH 12 **(1008 ENG 12)**

2 Cr / 2 Sem gr. 12

- This course is for the student who plans to attend a 2 or 4-year college or technical school, or plans a position in the business or work world, or who wishes to meet the basic requirements of a fourth year of general Language Arts Studies.

Through the integrated study of literature, composition, and oral communication, English 12 students further develop their use of language as a tool for learning and thinking and as a source of pleasure. In English 12, students move from predominantly analyzing and using the elements of written language to making judgments based on those analyses.

HONORS ENGLISH GRADE REQUIREMENT

A student must achieve a minimum semester grade of B- to be eligible to continue in any of the English honors classes or with the approval of the Language Arts Department Chair. A student who receives a semester grade lower than a B- shall be withdrawn from the course at the end of that semester. The student may ask for a conference if one is desired. AP semester final grades will be weighted 3 points with a semester grade of a C- or higher. Honors classes will be weighted 1 point with a grade of C- or higher.

ENGLISH 9-HONORS **(1002 ENG 9 HON)**

2 Cr / 2 Sem gr. 9

- Recommended Prerequisite: Students enrolling in this course should have participated in the Advanced Language Arts Program at the middle school level and have the recommendation of the program's coordinator.
- This course will be weighted one point because of its content and expectations in performance.
- To be successful in this course the student will be expected to exhibit a high level of English-talented skills, self-motivation in completing class work, a desire to meet the challenge of enriched assignments, and a high level of performance.
- See the paragraphs in ENGLISH 9 for the description of this course.

ENGLISH 10-HONORS **(1004 ENG 10 HON)**

2 Cr / 2 Sem gr. 10

- This course will be weighted one point because of its content and expectations in performance.
- To be successful in this course, the student will be expected to exhibit a high level of English-talented skills, self-motivation in completing class work, a desire to meet the challenge of enriched assignments, and a high level of performance.
- See the paragraphs in ENGLISH 10 for the description of this course.

AP ENGLISH LANGUAGE AND COMPOSITION **(1056 LNG/COMP AP)**

2 Cr / 2 Sem gr. 11-12

- Prerequisites: Recommendation by an 11th grade English teacher. Honors 9 and 10 would be helpful.
- Students have the opportunity to earn 3 dual credits with Ivy Tech (ENGL 111 English Composition), pending the dual credit requirements set by the college.
- Ivy Tech Prerequisites for dual credit: Must have a qualifying PSAT score or a GPA higher than a 2.6 on a 4.0 scale or 6.8 on a 12.0 scale.

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts--including images as forms of text--from a range of disciplines and historical periods. This course aligns to an introductory college-level rhetoric and writing curriculum. There are no prerequisites; however, students should be able to read and comprehend college-level texts and write grammatically correct, complete sentences.

AP ENGLISH LITERATURE AND COMPOSITION **(1058 LIT/COMP AP)**

2 Cr / 2 Sem gr. 12

- Prerequisites: English AP Language both semesters junior year.
- Students have the opportunity to earn dual credits with Ivy Tech (ENGL 206 Intro to Lit), pending the dual credit requirements set by the college and the completion of English 11 AP.
- Ivy Tech Prerequisites for dual credit: Must have a qualifying PSAT score or a GPA higher than a 2.6 on a 4.0 scale or 6.8 on a 12.0 scale.

AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.

DUAL CREDIT CREATIVE WRITING **(1124 ADV ENG CC)**

1 Cr / 1 Sem gr. 12

- Prerequisites: English AP Language both semesters junior year.
- Students have the opportunity to earn dual credits with Ivy Tech (ENGL 202 Creative Writing), pending the dual credit requirements set by the college and the completion of English 11 AP.
- Ivy Tech Prerequisites for dual credit: Must have a qualifying PSAT score or a GPA higher than a 2.6 on a 4.0 scale or 6.8 on a 12.0 scale.

This course introduces students to opportunities for self-expression in two or more literary genres- fiction, poetry, drama, and creative nonfiction. Upon successful completion of this course, students will be expected to:

- ➔ Analyze a wide range of canonical and contemporary literature in two or more genres: fiction, poetry, drama, and creative nonfiction of diverse cultural perspectives.
- ➔ Compose original works of creative writing in two or more genres.
- ➔ Apply elements of a writer's craft, including imagery, point of view, meter, and other literary conventions.
- ➔ Demonstrate a high degree of competency in conventions of Standard English.
- ➔ Evaluate and revise original works of creative writing using instructor and/or peer feedback.
- ➔ Identify and discuss the conventions and constraints of two or more genres.

ENGLISH ELECTIVES

CREATIVE WRITING **(1092 CREAT WRIT)**

1 Cr 1 / 1 Sem gr. 10-11-12

- This course is highly recommended for those students who have identified themselves as potential college English majors/minors.
- This course does not meet the English credit requirements for graduation. Can be used as an elective credit.

Creative Writing provides students with ample opportunities to combine literary creativity with the discipline of written discourse. The concept of the manipulation of language to convey ideas, feelings, moods, and visual images is the basis of the course. Students become familiar with standard literary elements through the reading and study of published prose and poetry and are taught to use those elements in their own writing. Additionally, students learn strategies for evaluation and responding to their own writing and the writing of others in a peer-sharing component. In this peer-sharing component, students receive specific training in providing constructive, substantive feedback, while role playing as likely readers of each creative work. Representative models of literary excellence may also be studied.

NOVELS **(1042 NOVELS)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisite: Completion of previous English classes with a C or higher
- This course does not meet the English credit requirements for graduation. It can be used as an elective credit.

The thrillers, murder and mystery Novels course surveys literature written by major authors of the murder and mystery genre. Students also explore the distinct features of the novel, for example: (1) that it is narrative and fictional; and (2) that it has setting, conflict, climax, and resolution. Issues of audience, purpose, and historical development are also considered. The course is organized by themes and authors. This course will emphasize novels of more recent works (the contemporary period). Opportunities to write about, discuss, and make presentations about the novels read are the essence of this class.

SPEECH **(1076 SPEECH)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisite: None

Speech is the study and application of the basic principles and techniques of effective oral communication. Students deliver focused and coherent speeches that convey clear messages, using gestures, tone, and vocabulary appropriate to the audience and purpose. Students deliver different types of oral and multimedia presentations, including viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Students use the same standard English conventions for oral speech that they use in their writing.

BIBLICAL LITERATURE **(1022 BIBLE LIT)**

1 Cr / 1 Sem gr. 11-12

- This course does not meet the English credit requirements for graduation. Can be used as an elective credit.

Biblical Literature surveys the Bible as a source of a wide variety of literary genres, patterns, themes, and conventions. Reading the Bible from a literary standpoint, different books are read in relation to their times--a period lasting over a thousand years. In addition, this course provides a basis for understanding biblical references (allusions) in both classical and modern literature. Other topics of discussion may include the formation of a canonical Bible and the inclusion of apocryphal and heretical writings, oral versus literate transmission of sacred history and doctrine, and questions and problems of interpretation. Related literature is included as it pertains to biblical themes. Writing and discussion opportunities are included in the context of this course.

ADVANCED SPEECH AND COMMUNICATION **(1078 ADV SPEECH)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisite: Speech
- Recommended Prerequisites: Speech or teacher recommendation

Advanced Speech and Communication is the study and application of skills in listening, oral interpretation, media communications, research methods, and oral debate. Students deliver different types of oral and multimedia presentations, including speeches to inform, to motivate, to entertain, and to persuade through the use of impromptu, extemporaneous, memorized, or manuscript delivery.

FAMILY & CONSUMER SCIENCE

FAMILY AND CONSUMER SCIENCE COURSES

INTERPERSONAL RELATIONSHIPS **(5364 INTRP RLT)**

1 Cr / 1 Sem gr. 10-11

- Recommended Prerequisite: None

Interpersonal Relationships is an introductory course that is especially relevant for students interested in careers that involve interacting with people. It is also valuable for all students as a life foundation and academic enrichment. This course addresses knowledge and skills needed for positive and productive relationships in career, community, and family settings. Major course topics include communication skills; leadership, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of interpersonal relationships. Direct, concrete language arts proficiencies will be applied. Service learning and other authentic applications are strongly recommended. This course provides a foundation for continuing and postsecondary education for all career areas that involve interacting with people both inside and outside of a business/organization, including team members, clients, patients, customers, and the general public.

CHILD DEVELOPMENT **(5362 CHLD DEV)**

1 Cr / 1 Sem gr. 10-11-12

- Recommended Prerequisite: None

Child Development is an introductory course for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers that draw on knowledge of children, child development, and nurturing of children. This course addresses issues of child development from conception/prenatal through age 3. It includes the study of prenatal development and birth, growth and development of children, child caregiving and nurturing, and support systems for parents and caregivers. A project-based approach that utilizes higher order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of child development. Direct, concrete mathematics and language arts proficiencies will be applied. Authentic applications such as introductory laboratory/field experiences with young children and/or service learning that build knowledge of children, child development, and nurturing of children are strongly recommended. This course provides the foundation for continuing and postsecondary education in all career areas related to children, child development, and nurturing of children.

ADVANCED CHILD DEVELOPMENT **(5360 ADVCHLDDEV)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisites: Child Development

Advanced Child Development is for those students interested in life foundations, academic enrichment, and/or careers related to knowledge of children, child development, and nurturing of children. This course addresses issues of child development from ages four through age eight (grade three). It builds on the Child Development course, which is a recommended prerequisite. Advanced Child Development includes the study of professional and ethical issues in child development; child growth and development; child development theories, research, and best practices; child health and wellness; teaching and guiding children; special conditions affecting children; and career exploration in child development and nurturing. A project-based approach that utilizes higher order thinking, communication, leadership, management, and fundamentals to college and career success is recommended in order to integrate these topics into the study of child development. Direct, concrete mathematics and language arts proficiencies will be applied.

CULINARY ARTS

INTRO TO CULINARY ARTS & HOSPITALITY **(5438 INT CUL HOS)**

1 Cr / 1 Sem gr. 9-10

- Intro to Culinary Arts & Hospitality is one of the prerequisites for all Culinary Arts Hospitality Management classes.
- This class has a limit of 20 students

Introduction to Culinary Arts and Hospitality is recommended for all students regardless of their career cluster or pathway, in order to build basic culinary arts knowledge and skills. It is especially appropriate for students with an interest in careers related to Hospitality, Tourism, and Culinary Arts. A project based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended. Topics include basic culinary skills in the foodservice industry, safety and sanitation, nutrition, customer relations and career investigation. Students are able to explore this industry and examine their own career goals in light of their findings. Laboratory experiences that emphasize industry practices and develop basic skills are required components of this course.

ADVANCED NUTRITION AND WELLNESS **(5340 ADV NTRN WEL)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisite: Intro to Culinary Arts & Hospitality with a C or better or teacher recommendation.
- This class has a limit of 20 students.

Advanced Nutrition and Wellness is a course which provides an extensive study of nutrition. This course is recommended for all students wanting to improve their nutrition and learn how nutrition affects the body across the lifespan. Advanced Nutrition and Wellness is an especially appropriate course for students interested in careers in the medical field, athletic training and dietetics. This course builds on the foundation established in Nutrition and Wellness, which is a recommended prerequisite. This is a project-based course utilizing higher-order thinking, communication, leadership and management processes. Topics include extensive study of major nutrients, nutritional standards across the lifespan, influences on nutrition/food choices, technological and scientific influences, and career exploration in this field. Laboratory experiences will be utilized to develop food handling and preparation skills; attention will be given to nutrition, food safety, and sanitation. This course is the second in a sequence of courses that provide a foundation for continuing and postsecondary education in all career areas related to nutrition, food, and wellness.

FINE ARTS

VISUAL ART

DRAWING – A **(4060 DRAWING)**

1 Cr / 1 Sem gr. 9-10-11-12

- Counts as a Directed Elective or Elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors diploma

Drawing is a course based on the Indiana Academic Standards for Visual Art. Students in drawing engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create drawings utilizing processes such as sketching, rendering, contour, gesture, and perspective drawing and use a variety of media such as pencil, chalk, pastels, charcoal, and pen and ink. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

DRAWING – B **(4060 DRAWING)**

1 Cr / 1 Sem gr. 9-10-11-12

- Prerequisite: Drawing-A
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors diploma

Drawing is a course based on the Indiana Academic Standards for Visual Art. Students in drawing engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create drawings utilizing processes such as sketching, rendering, contour, gesture, and perspective drawing and use a variety of media such as pencil, chalk, pastels, charcoal, and pen and ink. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

CERAMICS I **(4040 CERAMICS)**

1 Cr / 1 Sem gr. 9-10-11-12

- No Prerequisite
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors diploma

Ceramics is a course based on the Indiana Academic Standards for Visual Art. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

CERAMICS II **(4040 CERAMICS)**

1 Cr / 1 Sem gr. 9-10-11-12

- Prerequisite: Ceramics I
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors diploma

Ceramics is a course based on the Indiana Academic Standards for Visual Art. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

CERAMICS III **(4040 CERAMICS)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisites: Ceramics I, Ceramics II
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors diploma

Ceramics is a course based on the Indiana Academic Standards for Visual Art. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

PAINTING – A **(4064 PAINTING)**

1 Cr / 1 Sem gr. 9-10-11-12

- Prerequisite: Drawing-A
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors diploma

Painting is a course based on the Indiana Academic Standards for Visual Art. Students taking painting engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creation of portfolio quality works. Students create abstract and realistic paintings, using a variety of materials such as mixed media, watercolor, oil, and acrylics as well as techniques such as stippling, gouache, wash, and impasto. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art- related careers.

PAINTING – B **(4064 PAINTING)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisite: Painting A Drawing-A
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors diploma

Painting is a course based on the Indiana Academic Standards for Visual Art. Students taking painting engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creation of portfolio quality works. Students create abstract and realistic paintings, using a variety of materials such as mixed media, watercolor, oil, and acrylics as well as techniques such as stippling, gouache, wash, and impasto. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art- related careers.

DESIGN FUNDAMENTALS **(4834 DES FUND)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisite: Drawing A, Painting A, and/or teacher recommendation
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors diploma

Design Fundamentals introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving in the area of communication technology. Student learning experiences encompass art history, art criticism, aesthetics, and production, which lead to the creation of portfolio-quality works. Students reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art in areas of communication; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills.

ADVANCED ART **(4004 ADV 2D ART)**

2 Cr / 2 Sem gr. 11, 12

- Recommended prerequisites: Drawing A & B, Painting A & B
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors diploma
- Both semesters are weighted by 3 points for a grade of C- or higher.

Advanced Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to Two-Dimensional Art that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

FINE ARTS

MUSIC

BAND

BEGINNING CONCERT BAND **(4160 BEG BAND)**

2 Cr / 2 Sem gr. 9-10

- Beginning Concert Band at the middle school level or instructor approval.
- All high school students taking band for the 1st time should be placed into this class.
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma.
- Dropping Beginning Concert Band after signing up requires permission from the band director.

This course provides students with an age-appropriate introductory study of music through marching, pep, and concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Experiences include improvising, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day will be scheduled for rehearsals and performances. A number of public performances will serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

ADVANCED CONCERT BAND **(4170 ADV BAND)**

2 Cr / 2 Sem gr. 10-11-12

- Beginning Concert Band at the middle school level or instructor approval.
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma.
- Dropping Advanced Concert Band after signing up requires permission from the band director.

This course provides students with a balanced comprehensive study of music through marching, pep, and concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Experiences include improvising, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day will be scheduled for rehearsals and performances. A number of public performances will serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

CHORUS

BEGINNING CHORUS (Mixed Choir) **(4182 BEG CHOR)**

2 Cr / 2 Sem gr. 9-10-11-12

- All students must have black shoes (heels or dress), black pants (no rips or holes), black or white dress shirts (school appropriate, no logos)
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Students taking Beginning Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Students may not drop the course after the first two weeks of the semester as vocal parts will be assigned and a balance must be established to have successful performances for all participants.

ADVANCED CHORUS **(4188 ADV CHOR)**

2 Cr /2 Sem gr. 10-11-12

- Prerequisite: Must have permission from the instructor
- Girls must purchase Black Dress Shoes with a heel to greater than 1”
- Girls must have either a knee length black dress or black dress pants and white blouse
- Boys must purchase Black Dress shoes
- Boys must have black dress pants and white dress shirt long sleeve
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. The Advanced Choir gives numerous performances throughout the school year, including the Fall Concert, Christmas concerts, community concerts, ISSMA Contest, Solo and Ensemble. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Students may not drop the course after the first two weeks of the semester as vocal parts will be assigned and a balance must be established to have successful performances for all participants.

VOCAL JAZZ **(4184 VOC JAZZ)**

2 Cr / 2 Sem gr. 10-11-12

- Girls must purchase Black Dress Shoes with a heel to greater than 1”
- Girls must have either a knee length black dress or black dress pants and white blouse
- Boys must purchase Black Dress shoes
- Boys must have black dress pants and white dress shirt long sleeve
- Prerequisite: Must have permission from the instructor
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Students taking Vocal Jazz develop musicianship and specific performance skills through ensemble and solo singing. Students selected to be in this group must show high aptitude for music, work ethic to their musicianship, and enthusiastic dedication to expanding and leading the Choir Department. Class size, structure, and style will vary based on selected students. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty

and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. Vocal Jazz gives numerous performances throughout the school year, including the Fall Concert, Christmas concerts, community concerts, ISSMA Contest, Solo and Ensemble. In addition, students will be required to participate and commit to any Fall semester rehearsals and performances assigned by the instructor. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Students may not drop the course after the first two weeks of the semester as vocal parts will be assigned and a balance must be established to have successful performances for all participants.

ELECTIVES

PIANO AND ELECTRONIC KEYBOARD **(4204 PIANO KEY)**

1 Cr / 1 Sem gr. 9-10-11-12

- This course is structured for the beginning piano student
- The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Students taking this course are offered keyboard classes, including piano and electronic keyboard, in order to develop music proficiency and musicianship. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Students: (1) perform with proper posture, hand position, fingering, rhythm, and articulation, (2) compose and improvise melodic and harmonic material, (3) create and perform simple accompaniments, (4) listen to, analyze, sight-read, and study the literature performed, (5) study the elements of music as exemplified in a variety of styles, and (6) make interpretive decisions.

ADVANCED PIANO AND ELECTRONIC KEYBOARD **(4204 PIANO KEY)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisite: Piano & Electric Keyboarding or teacher approval
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

This course is designed for the more advanced keyboarding student. Students taking this course are offered keyboard classes, including piano and electronic keyboard, in order to develop music proficiency and musicianship. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Students: (1) perform with proper; posture, hand position, fingering, rhythm, and articulation; (2) compose and improvise melodic and harmonic material; (3) create and perform simple accompaniments; (4) listen to, analyze, sight-read, and study the literature performed; (5) study the elements of music as exemplified in a variety of styles; and (6) make interpretive decisions.

GUITAR **(4200 APP MUS)**

1 Cr / 1 Sem gr. 9-10-11-12

- The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized
- Wawasee High School has 20 classroom guitars available for use in the classroom. If they would rather use their own guitars students may bring in their own guitars to use during class
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

The main objective of this course is to create an enhanced appreciation for music through playing the guitar. Students will be exposed to different styles of music and learn strum patterns that accompany those styles. Students will learn proper

technique of holding the guitar, increase their musical knowledge by reading standard music notation, tablature, chord symbols, chord charts and lead sheets with chord symbols on a daily basis along with learning common scales and beginning improvisational techniques. Students will also learn the proper use of guitar equipment such as a capo and electric guitar/bass and amplifiers.

MUSIC HISTORY AND APPRECIATION **(4206 MUS HIST)** ***OFFERED 2026-2027***

1 Cr / 1 Sem gr. 9-10-11-12

- This course will be offered on a rotation basis and will be offered for the 2026-2027 school year.
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma.

Students taking this course receive instruction designed to explore music and major musical style periods through understanding music in relation to both Western and Non-Western history and culture. Activities include but are not limited to (1) listening to, analyzing, and describing music, (2) evaluating music and music performances, and (3) understanding relationships between music and the other arts, as well as disciplines outside of the arts.

MUSIC THEORY AND COMPOSITION **(4208 MUS THEORY)** ***OFFERED 2025-2026***

1 Cr / 1 Sem gr. 9-10-11-12

- This course will be offered on a rotation basis and will be offered for the 2025-2026 school year.
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma.

Students taking this course develop skills in the analysis of music and theoretical concepts. Students: (1) develop ear training and dictation skills, (2) compose works that illustrate mastered concepts, (3) understand harmonic structures and analysis, (4) understand modes and scales, (5) study a wide variety of musical styles, (6) study traditional and nontraditional music notation and sound sources as tools for musical composition, and (7) receive detailed instruction in other basic elements of music. Students have the opportunity to experience live performances by professionals during and outside of the school day.

FINE ARTS

THEATRE

THEATRE ARTS **(4242 THTR ARTS)**

1 Cr / 1 Sem gr. 9-10-11-12

- Prerequisite: None
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Arts read and analyze plays, create scripts and theatre pieces, conceive scenic designs, and develop acting skills. These activities incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

ADVANCED THEATRE ARTS **(4240 ADV THTR)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisite: Theatre Arts
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Advanced Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Advanced Theatre Arts read and analyze plays and apply criteria to make informed judgments. They draw on events and experiences to create scripted monologues and scenes, create scenic designs for existing plays, and build characters through observation, improvisation, and script analysis. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore careers in theatre arts and begin to develop a portfolio of their work. They also attend and critique theatre productions and identify ways to support the theatre in their community.

TECHNICAL THEATRE **(4244 TECH THTR)**

1 Cr / 1 Sem gr. 9-10-11-12

- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Technical Theatre is based on the Indiana Academic Standards for Theatre. Students enrolled in Technical Theatre actively engage in the process of designing, building, managing, and implementing the technical aspects of a production. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

MATHEMATICS

ALGEBRA I **(2520 ALG I)**

2 Cr / 2 Sem gr. 8-9-10-11-12

- A scientific calculator is required.
- Students must successfully complete section "a" to continue onto section "b".

Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of 6 strands: Real Numbers and Expressions; Functions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics. These critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will also engage in methods for analyzing, solving, and using quadratic functions. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

GEOMETRY **(2532 GEOM)**

2 Cr / 2 Sem gr. 9-10-11-12

- Prerequisite: Algebra I
- A scientific calculator is required.
- Students must successfully complete section "a" to continue onto section "b".

Geometry students examine the properties of two-and three-dimensional objects. Proof and logic, as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric objects include the study of: (1) points, lines, angles, and planes, (2) polygons, with a special focus on quadrilaterals, triangles, right triangles, (3) circles, and (4) polyhedra and other solids.

GEOMETRY -HONORS **(2532 GEOM HON)**

2 Cr / 2 Sem gr. 9

- Prerequisite: Completion of Algebra I Honors with a grade of at least B- in both semesters and teacher recommendation.
- Each semester final grade of C- or higher will be weighted 1 point.
- A graphing calculator is recommended for this course but at least a scientific calculator is required. Students may be loaned a graphing calculator.

Geometry students examine the properties of two-and three-dimensional objects. Proof and logic, as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric objects include the study of: (1) points, lines, angles, and planes, (2) polygons, with a special focus on quadrilaterals, triangles, right triangles, (3) circles, and (4) polyhedra and other solids.

The topics are studied in greater depth in the honors course. The faster pacing allows time for more work on projects and applications of the topics.

ALGEBRA II **(2522 ALG II)**

2 Cr / 2 Sem gr. 10-11-12

- Prerequisite: Algebra I and Geometry
- A graphing calculator is required. Students may be loaned a graphing calculator.
- Students must successfully complete section "a" to continue onto section "b".

Algebra II is a course which extends the content of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, linear functions, equations, and inequalities (2) quadratic and polynomial functions (3) rational functions (4) logarithmic and exponential functions (5) sequences and series and (6) statistics. Graphing calculator technology is frequently used in this course.

ANALYTICAL ALGEBRA II **(2524 ANA ALG)**

2 Cr / 2 Sem gr. 11-12

- Prerequisite: Algebra I and Geometry
- Students must successfully complete section "a" to continue onto section "b".
- **Analytical Algebra II does not meet the prerequisite for any other course that requires Algebra II. The next suggested course is Quantitative Reasoning, this course does not prepare students for Precalculus.**
- This course fulfills the Algebra II requirement for all diplomas; if students use this course to fulfill this credit, the parent must sign a consent form notifying the parent and the student that enrollment in Analytical Algebra II may affect the student's ability to attend a particular post-secondary educational institution because Analytical Algebra II may not align with the academic requirements established by the post-secondary educational institution.
- This Course is not recommended for students interested in pursuing a STEM degree at a four-year institution.

Analytical Algebra II focuses on the application of mathematics in various disciplines including business, finance, science, career and technical education and social sciences. This course covers most of the traditional Algebra II standards, but the focus is on the application of algebraic concepts rather than theoretical concepts. Building on previous work with linear, quadratic, and exponential functions, Analytical Algebra II should extend to include polynomial, rational, radical, logarithmic, and other functions. Students should be able to model real-world problems with various functions using and translating between multiple representations. Additionally, students should be able to interpret key features of function models within a given context.

ALGEBRA II-HONORS **(2522 ALG II HON)**

2 Cr / 2 Sem gr. 10

- Prerequisite: Completion of Geometry Honors with a grade of at least B- in both semesters and teacher recommendation.
- Each semester final grades of C- or higher will be weighted 1 point.
- A graphing calculator is required. Students may be loaned a graphing calculator.

Algebra II is a course which extends the content of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, functions, equations, and inequalities (2) conic sections (3) polynomials (4) algebraic functions (5) logarithmic and exponential functions (6) sequences and series and (7) counting principles and probability. Graphing calculator technology is frequently used in this course.

The topics are studied in greater depth in the honors course. The faster pacing allows time for more work on projects and applications of the topics.

QUANTITATIVE REASONING (Regular & Dual Credit) **(2550 QUANT REAS / DC)**

2 Cr / 2 Sem gr. 11-12

- Prerequisite: Algebra I, Geometry, and Algebra II or Analytical Algebra II
- Students have the opportunity to earn 3 total hours of college credit with Ivy Tech (MATH 123).
- Prerequisites for Dual Credit: 7.4 GPA and Algebra II with a minimum of a C- both semesters.

Quantitative Reasoning is a mathematics course focused on the study of numeracy, ratio and proportional reasoning, modeling, probabilistic reasoning to assess risk, and statistics. The Process Standards for Mathematics are applied throughout and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject. Students build knowledge of and confidence with basic mathematical/analytical concepts and operations required for problem-solving, decision-making, and economic productivity in real-world applications and prepare for an increasingly information-based society in which the ability to use and critically evaluate information, especially numerical information, is essential. Technology, such as computers and graphing calculators, will be used frequently.

PRECALCULUS / TRIGONOMETRY **(Regular or Dual Credit)** **(2564 PRECAL AL / DC &**
2 Cr / 2 Sem gr. 10-11-12 **2566 PRECAL TRIG / DC)**

- Students have the opportunity to earn 6 total hours of college credit with PFW, 3 credit hours for the course MA 15300 (Algebra & Trigonometry I), and 3 credit hours for the course MA 15400 (Algebra & Trigonometry II).
- Prerequisites for Dual Credit: 7.4 GPA; Algebra II with a minimum of B- in both semesters or Honors Algebra II with a C or better. To continue on to Pre-Calculus DC-b, a minimum of a C- in the "a" semester. Placement test available for those not meeting math grade requirements- contact PFW for more information.
- Note: some colleges use MA 15300/MA 15400 as preparatory credit only- please check with your college admissions office on transferability.

Pre-Calculus/Trigonometry blends the concepts and skills that must be mastered prior to enrollment in a college-level calculus course. The course includes the study of: (1) relations and functions (2) exponential and logarithmic functions (3) trigonometry in triangles (4) trigonometric functions (5) trigonometric identities and equations (6) polar coordinates and complex numbers (7) sequences and series and (8) data analysis. Graphic calculator technology is used extensively throughout this course.

ELECTIVES

STATISTICS ADVANCED PLACEMENT (Regular & Dual Credit) (2570 AP STAT / DC)

2 Cr / 2 Sem gr. 11-12

- Prerequisite: Algebra II with grades of B- or higher in both semesters and teacher recommendation.
    - Note: In order to qualify for the dual credit, a student must have taken and passed Pre-Calculus
- A graphing calculator is required. Students may be loaned a graphing calculator.
- Semester grades of C- or higher will be weighted 3 points.
- Students are expected to take the AP exam.
- The full course description can be viewed at http://www.collegeboard.com/
- The course will follow the College Board Advanced Placement Statistics Examination guidelines.
- Students have the opportunity to earn 3 total hours of college credit with PFW for the course STAT 30100 Elementary Statistical Methods.

Curriculum for this course follows the AP Statistics curriculum set by the College Board and is designed to prepare students for the AP Statistics exam in May. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course draws connections between all aspects of the statistical process, including design, analysis, and conclusions. Additionally, using the vocabulary of statistics in this course will teach students how to communicate statistical methods, results and interpretations. Students will learn how to use graphing calculators and read computer output in an effort to enhance the development of statistical understanding. Students will receive their scores during the summer following their high school graduation.

CALCULUS (AB) ADVANCED PLACEMENT (AP) & Dual Credit (2562 CALC AB AP)

2 Cr / 2 Sem gr. 11-12

- **Prerequisites: Pre-Calculus with a minimum of C- in both semesters**
- Semester grades of C- or higher will be weighted 3 points.
- A graphing calculator is required. Students may be loaned a graphing calculator.
- Students are expected to take the AP exam.
- The course will follow the College Board Advanced Placement Calculus Examination guidelines.
- Students have the opportunity to earn 4 total hours of college credit with PFW for the course MA 16500 (Analytic Geometry and Calculus I).

Calculus AB Advanced Placement is a course that provides students with the content established by the College Board for the first semester (Calculus 1) of college calculus. The study of calculus follows the Rule of Four where students learn concepts analytically, graphically, numerically, and verbally. Topics include: functions, graphs, and limits; derivatives; integrals; and applications. The use of graphing calculator technology is required.

The course will follow the College Board Advanced Placement Calculus Examination guidelines. During this course, students will complete the AB curriculum, expand their knowledge of applications, review and practice in preparation for AP testing. Students will receive their scores during the summer following their high school graduation.

CALCULUS (BC) ADVANCED PLACEMENT (AP) & Dual Credit **(2572 CALC BC, AP)**

2 Cr / 2 Sem gr. 11-12

- **Prerequisites: Pre-Calculus with a minimum of B- for both semesters**
- Semester grades of C- or higher will be weighted 3 points.
- A graphing calculator is required. Students may be loaned a graphing calculator.
- Students are expected to take the AP exam.
- The course will follow the College Board Advanced Placement Calculus Examination guidelines.
- Students have the opportunity to earn 8 total hours of college credit with PFW for the course MA 16600 (Analytic Geometry and Calculus I & Analytic Geometry and Calculus II).

Advanced Placement Calculus BC is a course that provides students with the content established by the College Board for the first two semesters (Calculus 1 and Calculus 2) of college calculus. The study of calculus follows the Rule of Four where students learn concepts analytically, graphically, numerically, and verbally. Topics include: functions, graphs, and limits; derivatives; integrals (Calculus 1) and the calculus of vectors, parametric and polar graphs, and sequences and series (Calculus 2). The use of graphing calculator technology is required.

During this course, students will study the remainder of the BC curriculum, specifically that regarding vectors and series. Students will review and practice in preparation for AP testing. Students enrolled in this course will take the AP Calculus BC Exam. BC students will receive both BC scores and AB sub-scores during the summer following their high school graduation.

MULTIDISCIPLINARY

HIT (Honors Independent Time)

0 Cr / 1-2 Sem gr. 10-11-12

- Must have a 10.0 (A- average) GPA based on previous semester grades
- Good attendance & citizenship with no disciplinary actions against the student
- Must be enrolled in 6 credited classes
- New students must complete one semester to qualify for HIT

Students must earn a 10.0 average based on the previous semester. The student must be enrolled for a minimum of 6 credits and can only be enrolled for one period of HIT per semester. Students must have excellent attendance (all absences count, both excused & unexcused) and must have demonstrated good citizenship and responsibility. Students meeting these criteria can sign up for HIT. Only students in grades 10-12 are eligible.

TEACHER AIDE

0 Cr / 1-2 Sem gr. 10-11-12

- Good attendance & citizenship with no disciplinary actions against the student
- Must be enrolled in 6 credited classes

Students must be enrolled for a minimum of 6 credits and can only be enrolled for one period of teacher aide per semester. He/she must have demonstrated good citizenship and responsibility for previous semesters. Only students in grades 10-12 are eligible.

JOBS FOR AMERICA'S GRADUATES **(0509 JAG)**

2 Cr / 2 Sem gr. 11-12

Jobs for America's Graduates (JAG) is a state-based, national non-profit organization dedicated to preventing dropouts among young people who are most at-risk. JAG's mission is to keep young people in school through graduation and provide work-based learning experiences that will lead to career advancement opportunities or to enroll in a postsecondary institution that leads to a rewarding career. JAG students receive adult mentoring while in school and one year of follow-up counseling after graduation. The JAG program is funded through grants provided by the Indiana Department of Workforce Development.

MULTIDISCIPLINARY
SPECIAL NEEDS

The following courses are scheduled
per Case Conference Placement for Special Education Students Only

BASIC SKILLS DEVELOPMENT 1 **(0500 BAS SKLS)**

1-2 Cr / 1-2 Sem gr. 9-10

- Recommended Prerequisite: none
- Required Prerequisite: none
- 1 credit per semester up to 4 semesters, 4 credit maximum
- Students do not sign up for this class
- Counts as an elective for all diplomas

Basic Skills Development is a multidisciplinary course that provides students with continuing opportunities to develop basic skills, including (1) reading, (2) writing, (3) listening, (4) speaking, (5) note-taking, (6) study and organizational skills, (7) personal and interpersonal skills development, and (8) problem-solving skills, which are essential for high school work achievement. The determination of the skills to be emphasized in this course is based on Indiana's standards, individual school corporation general curriculum plans, and the student's Individualized Education Programs (IEP) or other individualized plans. Skills selected for developmental work provide students with the ability to continue to learn in a range of different life situations.

BASIC SKILLS DEVELOPMENT 2

1-2 Cr / 1-2 Sem gr. 11-12 **(0500 BAS SKLS)**

- Recommended Prerequisite: none
- Required Prerequisite: none
- 1 credit per semester up to 4 semesters, 4 credit maximum
- Students do not sign up for this class
- Counts as an elective for all diplomas

Basic Skills Development is a multidisciplinary course that provides students with continuing opportunities to develop basic skills, including (1) reading, (2) writing, (3) listening, (4) speaking, (5) note-taking, (6) study and organizational skills, (7) personal and interpersonal skills development, (8) education and employment transition activities, and (9) problem-solving skills, which are essential for high school course work achievement. The determination of the skills to be emphasized in this course is based on Indiana's standards, individual school corporation general curriculum plans, and the student's Individualized Education Programs (IEP) or other individualized plan. Skills selected for developmental work provide students with the ability to continue to learn in a range of different life situations.

LANGUAGE ARTS LAB 9 **(1010 LANG LAB)**

1 Cr / 1 Sem gr. 9

- Prerequisite: Teacher Recommendation & Test Scores (ISTEP, NWEA, STAR)
- This course does not meet the English credit requirements for graduation. Can be used as an elective credit.
- Students do not sign up for this class.

This course is for the student who has displayed a need for further review and/or work in the areas of testing, writing, grammar, mechanics, vocabulary and reading. The curriculum will emphasize reading comprehension, test-taking strategies, analytical writing, core vocabulary, grammar, mechanics, revision, etc. This will be a step towards successful testing in 10th grade.

LANGUAGE ARTS LAB 10 **(1010 LANG LAB)**

1 Cr / 1 Sem gr. 10

- Prerequisite: Teacher Recommendation & Test Scores (ISTEP, NWEA, STAR)
- This course does not meet the English credit requirements for graduation. Can be used as an elective credit.
- Students do not sign up for this class.

This course is for the student who is behind in credits, has had difficulty with standardized tests, or may need the additional aid in Language Arts. The skills of test-taking, composition, reading comprehension, vocabulary, and conventions of language will be covered in this one semester course. Language Arts Lab will be taught with an emphasis on the abilities needed to be a successful standardized test taker, as well as a more rounded LA student. Entry into this section will be by teacher recommendation.

APPLIED COURSES FOR CERTIFICATE OF COMPLETION or ALTERNATE DIPLOMA

All of the following courses are scheduled per Case Conference Placement for Special Education Students who are on a Certificate of Completion Diploma Track or Alternate Diploma Track

PRINCIPLES OF AGRICULTURE APPLIED **(7117 PRIN AG)**

2 Cr / 2 Sem gr. 9-10-11-12

- Counts as an Elective for the Certificate of Completion or Alternate Diploma

Applied Principles of Agriculture is a two-semester course that will cover the diversity of the agricultural industry and agribusiness concepts. Students will develop an understanding and the role of agriculture in the United States and globally. Topics covered in the course range from animals, plants, food, natural resources, ag power, structures and technology, as well as careers.

ALGEBRA I APPLIED **(2520 ALG 1)**

2 Cr / 2 Sem gr. 9-10-11-12

- Counts as a Math Requirement for the Certificate of Completion or Alternate Diploma
- Four credits maximum

Applied Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of five strands: Numbers Sense; Expressions and Computation; Linear Equations; Inequalities and Functions; Systems of Equations and Inequalities and Quadratic and Exponential Equations and Functions. The strands are further developed by focusing on the content of the Algebra content connectors.

ALGEBRA I LAB APPLIED **(2516 ALG I LAB)**

2 Cr / 2 Sem gr. 9-10-11-12

- Counts as an Elective for the Certificate of Completion or Alternate Diploma
- Four credits maximum

Applied Algebra I Lab is a mathematics support course. Algebra I Lab should be taken while students are concurrently enrolled in a math course or have met the math requirements for the certificate of completion. This course provides students with additional time to build the foundations necessary for high school math courses and work on specific, individualized math skills, while concurrently having access to rigorous, grade-level appropriate courses. The five critical areas align with the critical areas of Math: Number Sense; Computation; Data Analysis; Geometry and Measurement; and Algebraic Thinking. Algebra I Lab combines standards from high school courses with foundational standards from the middle grades.

BIOLOGY APPLIED **(3024 BIO I)**

2 Cr / 2 Sem gr. 9-10-11-12

- Counts as a Science Requirement for the Certificate of Completion or Alternate Diploma

Applied Biology I is a course based on the following core topics: cellular chemistry, structure and reproduction; matter cycles and energy transfer; interdependence of organisms; molecular basis of heredity; genetics and evolution. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory, and by evaluating and communicating the results of those investigations according to accepted procedures.

CAREER EXPLORATION INTERNSHIP APPLIED **(0530 CAR EXP INT)**

1-2 Cr / 1-2 Sem gr. 9-10-11-12

- Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion or Alternate Diploma

The Applied Career Exploration Internship course is a paid or unpaid work experience in the public or private sector that provides for workplace learning in an area of student career interest. Unlike a cooperative education program in which students gain expertise in a specific occupation, the career exploration internship is intended to expose students to broad aspects of a particular industry or career cluster area by rotating through a variety of work sites or departments. In addition to their workplace learning activities, students participate in 1) regularly scheduled meetings with their classroom teacher, or 2) a regularly scheduled seminar with the teacher for the purpose of helping students make the connection between academic learning and their work-related experiences. Specific instructional standards tied to the career cluster or pathway and learning objectives for the internship must be written to clarify the expectations of all parties – the student, parent, employer, and instructor.

CAREER INFORMATION AND EXPLORATION APPLIED **(0522 CARR INFO)**

1-2 Cr/1-2 Sem gr. 9-10-11-12

- Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion or Alternate Diploma

Applied Career Information and Exploration provides students with opportunities to learn about themselves including interests, strengths and needed supports while exploring various traditional and nontraditional occupations and careers. Students develop skills in: (1) employability, (2) understanding the economic process, and (3) career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as community based instruction, internships, mock interviews, and guest speakers. Portfolio and resume development experience and career-related assessments may also be provided to students.

APPLIED DEVELOPMENTAL READING **(1120 DEV READING)**

1-2 Cr / 1-2 Sem gr. 9-10-11-12

- Counts as an Elective for the Certificate of Completion or Alternate Diploma
- Required Prerequisites: None

Applied Developmental Reading is a supplemental course that provides students with individualized, specially designed instruction to support success in completing coursework aligned with the Indiana Academic Standards or Content Connectors for English/Language Arts.

EARTH & SPACE SCIENCE APPLIED **(3044 EAS SCI I)**

2 Cr / 2 Sem gr. 11-12

- Counts as an Elective or Science Requirement for the Certificate of Completion or Alternate Diploma

Applied Earth and Space Science I is a course focused on the following core topics: study of the earth's layers; atmosphere and hydrosphere; structure and scale of the universe; the solar system and earth processes. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. Instruction should focus on developing student understanding that scientific knowledge is gained from observation and experimentation, by conducting investigations, and evaluating and communicating the results of those investigations. This course may include a variety of learning experiences and tools to support the process of investigation, data collection, and analysis.

ECONOMICS APPLIED **(1514 ECON)**

1 Cr / 1 Sem gr. 12

- Counts as a Social Studies Requirement or Elective for the Certificate of Completion or Alternate Diploma

Applied Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course identifies economic behavior of consumers, producers, savers, investors, workers, voters, institutions, governments, and societies in making decisions. Students explain that because resources are limited, people must make choices and understand the role that supply, demand, prices, and profits play in a market economy. Key elements of the course include the study of scarcity and economic reasoning; supply and demand; market structures; the role of government; national economic performance; the role of financial institutions; economic stabilization; and trade. Students may be offered opportunities to better understand and apply course content through a variety of instructional strategies including project- and community-based instruction and real world experiences.

ENGLISH 9 APPLIED **(1002 ENG 9)**

1-2 Cr / 1-2 Sem gr. 9

- Counts as an English/Language Arts Requirement for the Certificate of Completion or Alternate Diploma

Applied English 9 is an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and research tasks when appropriate. Students deliver ability-appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information.

ENGLISH 10 APPLIED **(1004 ENG 10)**

1-2 Cr / 1-2 Sem gr. 10

- Counts as an English/Language Arts Requirement for the Certificate of Completion or Alternate Diploma

Applied English 10, an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and research tasks when appropriate. Students deliver ability appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information.

ENGLISH 11 APPLIED **(1006 ENG 11)**

1-2 Cr / 1-2 Sem gr. 11

- Counts as an English/Language Arts Requirement for the Certificate of Completion or Alternate Diploma

Applied English 11, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade appropriate multimedia presentations and access online information.

ENGLISH 12 APPLIED **(1008 ENG 12)**

1-2 Cr / 1-2 Sem gr. 12

- Counts as an English/Language Arts Requirement for the Certificate of Completion or Alternate Diploma

Applied English 12, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare, and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade appropriate multimedia presentations and access online information.

GEOMETRY APPLIED **(2532 GEOM)**

1-2 Cr / 1-2 Sem gr. 10-11-12

- Counts as a Math Requirement for the Certificate of Completion or Alternate Diploma

Applied Geometry formalizes and extends students' geometric experiences from the middle grades. These critical areas comprise the Geometry course: Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three- dimensional Solids. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

APPLIED MATHEMATICS LAB **(2560 MATH LAB)**

1-2 Cr / 1-2 Sem gr. 9-10-11-12

- Required Prerequisites: none
- Students can earn a maximum of four (4) credits.
- Fulfills an elective course requirement for the Certificate of Completion or Alternate Diploma

Applied Mathematics Lab provides students with individualized instruction designed to increase math related competencies and/or mathematics coursework aligned with Indiana's Academic Standards or Content Connectors for Mathematics

HEALTH APPLIED **(3506 HLTH & WELL)**

1 Cr / 1 Sem gr. 10

Counts as an Elective or Health & Wellness requirement for the Certificate of Completion or Alternate Diploma

Applied Health & Wellness, a course based on Indiana's Academic Standards for Health & Wellness and provides the basis to help students adopt and maintain healthy behaviors. Health education should contribute directly to a student's ability to successfully practice behaviors that protect and promote health and avoid or reduce health risks. Through a variety of instructional strategies, students practice the development of functional health information (essential concepts); determine personal values that support health behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course includes the application of priority areas in a planned, sequential, comprehensive health education curriculum. Priority areas include: promoting personal health and wellness, physical activity, and healthy eating; promoting safety and preventing unintentional injury and violence; promoting mental and emotional health, a tobacco- free lifestyle and an alcohol- and other drug-free lifestyle; and promoting human development and family health. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

INDIANA STUDIES APPLIED **(1518 IN STUDIES)**

1 Cr / 1 Sem gr. 9-10-11-12

- Counts as a Social Studies Requirement or Elective for the Certificate of Completion or Alternate Diploma

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

PERSONAL FINANCIAL RESPONSIBILITY APPLIED **(4540 PRSFINRSP)**

1 Cr / 1 Sem gr. 10-11-12

- Qualifies as an Elective or Applied Math course for the Certificate of Completion

Applied Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build and apply skills in financial literacy and responsible decision making. Content includes analyzing personal standards, needs, wants, and goals; identifying sources of income, and navigating technology for money management. A project based approach and applications through authentic settings such as Work-based observations, service learning experiences and community based instruction are appropriate. Direct, concrete applications of basic mathematics proficiencies in projects are encouraged.

PHYSICAL EDUCATION I & II APPLIED **(3542 PHYS ED I, 3544 PHYS ED II)**

1-2 Cr / 1-2 Sem gr. 9-10-11-12

- Counts as the Physical Education requirements for the Certificate of Completion or Alternate Diploma

Applied Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provides students with opportunities to actively participate in at least four of the following: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes individual progress and performance-based skill evaluation.

Applied Physical Education II focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provides students with opportunities to actively participate in four of the following areas that were not covered in Physical Education I: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes individual progress and performance-based skill evaluation.

US GOVERNMENT APPLIED **(1540 US GOVT)**

1 Cr / 1 Sem gr. 12

- Counts as a Social Studies Requirement or Elective for the Certificate of Completion or Alternate Diploma

Applied United States Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States. Responsible and effective participation of citizens is stressed. Students understand the nature of citizenship, politics, and governments; the rights and responsibilities of citizens; and how these are part of local, state, and national government. Students examine how the United States Constitution protects the rights and provides the structure and functions of various levels of government. How the United States interacts with other nations and the government's role in world affairs will be included in this course. Using primary and secondary resources,

students will articulate, evaluate, and defend positions on political issues. As a result, they will recognize their own impact, the role of individuals and groups in government, politics, and civic activities and the need for civic and political engagement of citizens in the United States.

US HISTORY APPLIED **(1542 US HIST)**

2 Cr/2 Tri gr. 11-12

- Counts as a Social Studies Requirement or Elective for the Certificate of Completion or Alternate Diploma

Applied United States History is a course that builds upon concepts of U.S. History and emphasizes national development from the late nineteenth century into the twenty-first century. After reviewing fundamental themes in the early development of the nation, students identify and review significant events, persons, and movements in the early development of the nation. The course then gives major emphasis to the interaction of key events, people, and political, economic, social, and cultural influences in national developments from the late nineteenth century through the present as they relate to life in Indiana and the United States. Students trace and analyze chronological periods and examine the significant themes and concepts in U.S. History. Students develop historical thinking and research skills and use primary and secondary sources to explore topical issues and to understand specific topics or the cause for changes in the nation over time.

WORLD HISTORY & CIVILIZATION APPLIED **(1548 WLD HST/CVL)**

2 Cr / 2 Sem gr. 10-11-12

- Counts as a Social Studies Requirement or Elective for the Certificate of Completion or Alternate Diploma

Applied World History and Civilization emphasizes events and developments in the past that greatly affected large numbers of people across broad areas and that significantly influenced peoples and places in subsequent eras. Key events related to people and places as well as transcultural interaction and exchanges are examined in this course. Students are expected to compare and contrast events and developments involving diverse peoples and civilizations in different regions of the world. They will examine examples of continuity and change, universality and particularity, and unity and diversity among various peoples and cultures from the past to the present. Students are also expected to practice and process skills of historical thinking and research and apply content knowledge to the practice of thinking and inquiry skills and processes. There will be continuous and pervasive interactions of processes and content, skills and substance, in the teaching and learning of history.

TOPICS IN HISTORY APPLIED **(1538 TOP HIST)**

1-4 Cr / 1-4 Sem gr. 9-10-11-12

- Counts as a social studies requirement or elective for the Certificate of Completion or Alternate Diploma
- This course may be repeated if the topic theme is different each year.
- History of Sports is the theme for 2024-2025.

Applied Topics in History provides students the opportunity to study in-depth specific historical eras, events, or concepts. This class is project based and students will be expected to work in a group setting and present their findings to the class. This class will involve regular research and technology skills as well as be involved in classroom discussions. This course will be an opportunity for students to explore historical topics in more detail.

Indiana Certificate of Completion

Course of Study

Effective with the students who enter high school in 2018-19 school year (Class of 2022)

The Course of Study for the Certificate of Completion is a framework for aligning curriculum to grade level standards while meeting the individual goals and transition needs stated in the student's Individual Education Plan (IEP).

Minimum total 40 credits/applied units: It is expected that these requirements are met through enrollment in a combination of general education courses for credit, modified general education courses in which non-credit applied units are earned and special education courses in which non-credit applied units are earned.	
English/Language Arts	**8 credits/applied units**
	Including a balance of literature, composition, vocabulary, speech/communication
Mathematics	**4 credits/applied units**
	Including a balance of number sense, expressions, computation, data analysis, statistics, probability, equations and inequalities and personal finance. Student must take a math or applied math course each year in high school.
Science	**4 credits/applied units**
	Including a balance of physical, earth/nature, life, engineering and technology
Social Studies	**4 credits/applied units**
	Including a balance of history, civics and government, geography, economics
Physical Education	**2 credits/applied units**
Health & Wellness	**1 credit/applied unit**
Employability	**10 credits/applied units**
	Job exploration, work- or project-based learning experiences, employability skills (mindsets, self-management, learning strategies, social, workplace), portfolio creation, introduction to post-secondary options
	Investigation into opportunities for enrollment in postsecondary programs, work place readiness training to develop employability and independent living skills and instruction in self-advocacy
Electives	**7 credits/applied units**
Certificate of Completion Transition Portfolio	
Students earning a certificate of completion fulfill <u>at least one</u> of the following (aligned with transition goals): **1. Career Credential:** Complete an industry-recognized certification, one-year certificate or state-approved alternative **2. Career Experience:** Complete project- or work-based learning experience or part time employment **3. Work Ethic Certificate:** Earn a Work Ethic Certificate (criteria to be locally determined) **4. Other Work Related Activities:** As determined by the case conference committee	

Assumptions:

1) High Expectations for all students is a shared responsibility.
2) General Education courses are accessed whenever appropriate to fulfill the Certificate of Completion course of study.
3) Students' IEP goals are aligned with grade level standards/content connectors that drive curriculum and instruction.
4) Communication skills, reading skills, and problem solving skills are integrated into all courses.
5) Courses can be repeated with new goals if appropriate; more than four years may be needed for completion.
6) All courses are driven by the Transition IEP and individual goals of each student.

Draft created on 4.27.16; revised 5.18.16;5.23.16; 5.25.16; 3.31.17,4.19.17, 4.26.17, 5.16.17; 7.28.17

Indiana Alternate Diploma

Course of Study

Pursuant to 511 Indiana Administrative Code (IAC) 6-7.1-10, the alternate diploma applies only to a student with the most significant cognitive disability for whom a case conference committee has determined that the alternate diploma is appropriate, as indicated in the student's Individualized Education Program (IEP), and has taken the alternate assessment. A student may satisfy the following course of study for the alternate diploma through enrollment in any combination of general education courses for credit, modified general education courses in which non-credit units are earned, and special education courses in which non-credit applied units are earned.

Additional information can be found in this summary memorandum from the Indiana State Board of Education regarding adoption of policy regarding the alternate diploma.

Minimum total 40 high school credits/applied units, or a combination of both: It is expected that these requirements are met through enrollment in a combination of general education courses for credit, modified general education courses in which non-credit applied units are earned, and special education courses in which non-credit applied units are earned.	
Transition Goals	**At least one (1) of the following activities aligned with the student's transition goals:**
	a. Complete an industry-recognized certification, one year certificate, or state approved alternative. b. Complete a project or work based learning experience, as determined by the case conference committee. c. Earn a work ethic certificate. d. Participate in part-time employment or other work related activities, as determined by the case conference committee.
English/Language Arts	**8 Credits/Applied Units**
	Including a balance of literature, composition, vocabulary, and speech or communication.
Mathematics	**4 Credits/Applied Units**
	Including a balance of number sense, expressions, computation, data analysis, statistics, probability, equations and inequalities, and personal finance. *Required to take a mathematics or applied mathematics course each year the student is enrolled in high school.*

Science	**4 Credits/Applied Units**
	Including a balance of physical science, Earth science, life, science, and engineering and technology.
Social Studies	**4 Credits/Applied Units**
	Including a balance of U.S. history, U.S. government, geography, and economics.
Physical Education I and II *Adapted as necessary*	**2 Credits/Applied Units**
Health & Wellness	**1 Credit/Applied Unit**
Employability	**10 Credits/Applied Units**
	Including a balance of: a. Job exploration; b. Work based or project based learning experiences; c. Employability skills related to mindsets, self-management, learning strategies, social skills, and workplace skills; d. Introduction to postsecondary options, including an investigation into opportunities for enrollment in postsecondary programs, workplace readiness training programs to develop employability/independent living skills; and e. Instructional programs designed to teach self-advocacy.
Indiana Alternate Diploma Transition Portfolio	
Develop a transition portfolio that demonstrates the work experience, credentials, or work certificates the student completed during high school.	

PHYSICAL EDUCATION

GYM CLOTHES: Students will need school appropriate athletic attire (t-shirts, cotton or mesh shorts and sweatpants). They will be required to change out of their school clothes to participate in the physical activities. Inappropriate shoes, jeans, tank tops or shirts ripped or cut intentionally are not allowed. Logos, pictures, and words must also be school appropriate**.** T-shirts should be affiliated with Wawasee.

ATTENDANCE & NO DRESS POLICY: A student, who misses 12 days of activity through injury or illness during one semester, will need to withdraw from the class until they are able to participate and meet participation requirements. Any student who has four days of not dressing for class will fail the course for the semester and will retake the course during another semester. Parents will be notified on the 2nd no dress and the student will be sent to the Dean of Students/Guidance on the 3rd and failure on the 4th. This is a lab class; if students do not dress they cannot participate.

REQUIRED CLASSES: All students will be **REQUIRED** to take (2) semesters of Physical Education and 1 semester of Health Education. Physical Education I or Physical Education Advanced I must be taken during grade 9 and Physical Education II or Physical Education Advanced II should be taken during grades 9 or 10. Students will not be allowed to take both PE I and PE II in the same semester. For example, if a student takes PE I during the first semester, PE II must be taken during the second semester .

REQUIRED COURSES

PHYSICAL EDUCATION I **(3542 PHYS ED I)**
1 Cr / 1 Sem gr. 9

Physical Education I will emphasize the recreational/fitness activities necessary for a lifetime of health-related activity. This course includes strength training, skill development and the application of rules and strategies in the following forms: (1) health-related fitness activities (cardio respiratory endurance, muscular strength and endurance, flexibility, and body composition), (2) strength training, (3) team sports, (4) individual & dual sports, (5) aquatics, (6) aerobic exercise, (7) outdoor pursuits, and (8) recreational games & facility use.

PHYSICAL EDUCATION II **(3544 PHYS ED II)**
1 Cr / 1 Sem gr. 9-10

Physical Education II emphasizes a personal commitment to lifetime activity and fitness for enjoyment, challenge, self-expression, and social interaction. This course builds on the strength training and skill development established in Physical Education I. Recreational topics will include: bowling, Frisbee, racquet sports, flag-football, softball, soccer, volleyball, and basketball.

PHYSICAL EDUCATION ADVANCED I **(3542 ADV PHYS I)**
1 Cr / 1 Sem gr. 9

- Prerequisite: Any student that participates in IHSAA sponsored athletics at Wawasee High School (or any student that obtains a waiver/written permission from Mr. Mishler).
- This class is a prerequisite for **STRENGTH and PERFORMANCE TRAINING (SPT).**
- This class has a limit for enrollment and will be pending coach's and instructor's approval.

Advanced Physical Education I is designed to improve athletic performance for students that participate in competitive sports. The advanced physical training program followed in this course will work to improve muscular strength, explosiveness, agility and help to reduce the risk of injury. Students will be required to complete daily log and goal sheets through an online interactive program. Accountability, responsibility, work-ethic, intensity, and developing a championship culture will be a focus and expectation in this course.

PHYSICAL EDUCATION ADVANCED II **(3544 ADV PHYS II)**

1 Cr / 1 gr. 9-10

- Prerequisite: Any student that participates in IHSAA sponsored athletics at Wawasee High School (or any student that obtains a waiver/written permission from Mr. Mishler).
- This class is a prerequisite for **STRENGTH and PERFORMANCE TRAINING (SPT).**
- This class has a limit for enrollment and will be pending coach's and instructor's approval.

Advanced Physical Education II is designed to build off Physical Education Advanced PE I. Improving athletic performance for students that participate in competitive sports with a sports specific movement focus. The advanced physical training program followed in this course will work to improve muscular strength, explosiveness, agility and help to reduce the risk of injury. Students will be required to complete daily log and goal sheets through an online interactive program. Accountability, responsibility, work-ethic, intensity, and developing a championship culture will be a focus and expectation in this course.

HEALTH EDUCATION **(3506 HLTH & WELL)**

1 Cr / 1 Sem gr. 10

High school health education provides the basis for continued methods of developing knowledge, concepts, skills, behaviors, and attitudes related to student health and well- being. This course includes the major content areas of Growth and Development; Mental and Emotional Health, Community and Environmental Health; Nutrition; Family Life; Consumer Health; Personal Health; Alcohol, Tobacco, and Other Drugs; Intentional and Unintentional Injury; and Health Promotion and Disease Prevention. Students are provided with opportunities to explore the effect of health behaviors on an individual's quality of life. This course assists students in understanding that health is a lifetime commitment by analyzing individual risk factors and health decisions that promote health and prevent disease. Students are also encouraged to assume individual responsibility for becoming competent health consumers. A variety of instructional strategies, including technology, are used to further develop health literacy.

ELECTIVE PE CLASSES

ELECTIVE PE: LIFETIME SPORTS **(3560 ELECT PE)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisite: PE I and PE II with a C or above

Students will have the opportunity to further skills and increase opportunities in strength training, sports, and lifetime fitness. This course is designed to emphasize advanced awareness and strategies of the activities presented in PEI & PEII. Students will work at increasing his/her upper and lower body strength. Each student will be taught the use of weight training equipment and the carry-over this has with lifetime sports like bowling, badminton, frisbee, racquet sports, basketball, flag-football, softball, swimming, soccer and volleyball. Students will be graded on pre- and post- physical assessments, written assessments, group projects and daily participation.

ELECTIVE PE: MODERN FITNESS **(3560 ELECT PE)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisite: PE I and PE II
- This class has a limit of 20 students and enrollment will be pending instructor's approval.

Students will participate in the most current physical fitness activities. This course includes physical participation, setting personal fitness goals, increasing self-confidence and learning about taking preventative measures to avoid health and fitness problems as an adult. Local presenters/exports will be in to talk with the students, a few topics may include (but are not limited to) nutrition, smoothies, hair/nail care, and self-defense. Fitness activities may include aerobics, step aerobics, flexibility training, jogging, Pilates, Tae Bo, toning, yoga, speed walking, spinning, weight training, field trip to local fitness clubs and more.

ELECTIVE PE: OUTDOOR ACTIVITIES (WATER/LAND) **(3560 ELECT PE)**

1 Cr / 1 Sem gr. 11-12

- Prerequisite: PE I and PE II with a C+ or above
- May be taken only once.
- This class has a limit of 14 students and enrollment will be pending instructor's approval.

Students will be introduced to different forms of outdoor activities. This course will be designed to offer awareness and strategies of the activities which may include (but not limited to), sailing, environmental issues, canoeing, kayaking, and others. Some classroom work related to these topics will be addressed along with journal writing. The activities will require being off campus to the yacht club, plus field trips as available with additional cost.

ELECTIVE PE: STRENGTH and PERFORMANCE TRAINING (SPT) **(3560 ELECT PE)**

1-2 Cr / 1-2 Sem (max 6 semesters) gr. 10-11-12

- Prerequisite: Advanced PE I and PE II with a B or above
- Prerequisite: Students must be participating in an IHSAA sponsored athletics at Wawasee High School (or any student that obtains a waiver/written permission from instructor).
- This is an advanced class with limited enrollment and will be pending the coach's and instructor's approval.

The Strength and Performance Training course allows the student to achieve maximum performance in their physical development for athletics. It is designed primarily for a high school athlete and emphasizes weight training, mobility, agility, quickness, and speed development. Preparation, accountability, teamwork, and developing a Next-Level culture with dedication will be emphasized in this course. Strength & Olympic lifts will be taught to allow each athlete to enhance their athletic performance. Daily record keeping, journaling, and specific goal setting will be a requirement of this class.

LIFEGUARDING **(3500 ADV HLTH ED)**

1 Cr / 1 Sem gr. 10-11-12

- Prerequisites: Must be at least 15 years of age, be able to pass a 550-yard swim test (using front crawl and breaststroke), be able to swim 20 yards submerged to a minimum depth of 9 feet to retrieve a 10-pound object and return it to the surface of the water (this is a timed event), and be able to perform an underwater swim 3 ring retrieval.

Students will be trained with Professional Rescuer CPR and Automated External Defibrillators. Oxygen Administration (O2), and Preventing Disease Transmission (P.D.T.) courses will be included as an optional certification. Lifeguarding promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in specific areas. This is an American Red Cross certified class, which will certify a student in Lifeguarding, Waterfront, Professional Rescuer CPR, Standard First Aid, Automated External Defibrillation, Oxygen Administration, and Preventing Disease Transmission. Students will be certified to be lifeguards in any private or public pool and all private and public waterfronts.

ADV. HEALTH -- ATHLETIC TRAINING **(3500 ADV HLTH ED)**

1 Cr / 1 Sem gr. 10-11-12

- After school hours in the training room and at athletic events will be required)

Athletic training is a class used to study in-depth a specific area. This class is for any student interested in becoming a student athletic trainer or going into a health-related field. This course will contain emergency response, Professional Rescuer CPR, Automated External Defibrillators, Preventing Disease Transmission, anatomy, taping and treatment of athletic injuries. Students will develop skills in assessing injuries. They will learn to determine life-threatening and non-life-threatening injuries, how to determine the severity of an injury and what course of action should be taken

ELECTIVE: P.E.- Physical Education LEADER /or/ Lifeguard **(3560 ELECT PE)**

1-2 Cr / 1-2 Sem gr. 10-11-12

- Prerequisite: Must apply for this course through the P.E. department chair.
- A one or two credit / one or two semester course.

This elective course provides students, who have attained an outstanding record in their physical education classes, organized teaching experiences in a high school physical education class. The Physical Education Department will provide students with the pre-training experiences in the classroom and will plan all teaching experiences. This class provides a balance of class work relating to 1) classroom organization, 2) classroom management, 3) the curriculum and instructional process, 4) observations of teaching, and 5) instructional experiences. Evaluation is based on the senior leader's cooperation, day-to-day performance, and class work including their potential to teach. Students must have excellent leadership skills and demonstrate dependability and responsibility. The department chairperson must approve students.

APT (Advanced Physical Training) Teacher Assistant/Intern **(3560 ELECT PE)**

1-2 Cr / 1-2 Sem gr. 11-12

- Prerequisite: Must apply for this course through the P.E. department chair.
- 1 Full year (2 semesters) of Strength and Performance Training Advanced.
- An "A" average in Strength and Performance Training Class.

This class will present you with the opportunity to experience hands-on, individualized & team coaching with as many as 40 athletes per day. Each intern will have the chance to assist the instructor with competitive high school athletes. Interns will become more familiar with the intricacies of program design, exercise science and observe and assist a variety of high school athletes under the supervision of our strength & conditioning coaches. The program is designed for Juniors and Seniors that have excelled in Strength and Performance Training Advanced class and have a passion for helping others in this field.

SCIENCE

There are MANY careers in the field of science. Students considering careers in any of the following areas are strongly encouraged to take as many of the courses below as possible. **Taking challenging courses in high school makes you more prepared for college and can help you decide what specific career path you may want to pursue.** Please talk to a science teacher if you need more advice on what science classes to take.

SUGGESTED CLASSES (besides Biology I)

Medical Careers	Scientific Research Careers	Engineering Careers	Pharmaceutical Careers
Principles of Biomedical Science	Chemistry I	Chemistry I	Chemistry I
Chemistry I	Physics I	Physics I	AP Chemistry
Physics I	AP Biology	AP Physics	Physics
Human Anatomy & Physiology	AP Statistics	AP Calculus	Human Anatomy & Physiology
AP Chemistry	*As many other science courses that your schedule will allow.*	Principles of Computing	Medical Interventions
AP Biology		Topics in Computer Science	AP Calculus
Medical Interventions		Computer Science	Principles of Biomedical Science
Human Body Systems		Computer Science Capstone	Human Body Systems
		Other science classes based on specific engineering interest	Medical Interventions

BIOLOGY I **(3024 BIO I)**

2 Cr / 2 Sem gr. 9

- The Science portion of the ISTEP+ will be taken towards the end of the course.

Biology I provides for the study of living organisms with emphasis on the cellular and molecular level of understanding. Biology I-a will concentrate on the fields of ecology, biochemistry and the cell while genetics and evolution are the focus of Biology I-b. Laboratory experiences and some field investigations are conducted.

BIOLOGY I – HONORS **(3024 BIO I HON)**

2 Cr / 2 Sem gr. 9

- This course is designed for students preparing for college and potentially a higher level of study in Biology.
- Must be at or above grade level in reading (based on NWEA Reading and Math scores in 8th grade).
- Must score 85% or higher on Biology Readiness test during 8th grade.
- A strong work ethic is necessary to be successful in this course.
- Recommendation by 8th grade science teacher is required.
- This course is weighted one point on grades of B- and above. A student who receives a semester grade lower than a B- at the end of the 1st semester will be withdrawn from the Honors course and placed in regular Biology.

Biology I-Honors is based on the science standards for Biology I plus several enrichment activities. One semester will concentrate on the fields of ecology, biochemistry and the cell while the other semester will study genetics and evolution. Students will learn at an accelerated pace and participate in many problem solving activities.

CHEMISTRY I **(3064 CHEM I)**

2 Cr / 2 Sem gr. 10-11-12

- Prerequisites: Biology I and Algebra I
- Meets the requirements for a Quantitative Reasoning Course

Chemistry I will provide students with the ability, through laboratory investigations of matter and its chemical reactions, to synthesize useful models of the structure of matter and the mechanisms of its interactions. The course is organized around the concepts of atomic structure, bonding, stoichiometry and other phenomena that accompany chemical reactions. As students participate in the laboratory activities, they will learn and use appropriate safety precautions. First semester emphasis will be placed on data analysis, properties of matter, structure of the atom, ionic and covalent bonding, chemical reactions, chemical equations, and the mole. Second semester emphasis will be placed on stoichiometry, the kinetic molecular theory, gases, thermochemistry, reaction rates, chemical equilibrium, acids and bases, and an introduction to organic chemistry.

PHYSICS I **(3084 PHYS I)**

2 Cr / 2 Sem gr. 10-11-12

- Prerequisites: C+ or better in Biology I and Algebra I
- Meets the requirements for a Quantitative Reasoning Course

Physics I is a course focused on the following core topics: constant velocity; constant acceleration; forces; energy; linear momentum in one dimension; simple harmonic oscillating systems; mechanical waves and sound; simple circuit analysis. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

EARTH AND SPACE SCIENCE I **(3044 EAS SCI I)**

2 Cr / 2 Sem gr. 11-12

- Prerequisites: Biology I

Earth and Space Science I is a course focusing on the study of the earth's lithosphere, atmosphere, hydrosphere, and its celestial environment. Students enrolled in Earth and Space Science I analyze and describe Earth's interconnected systems that may be changing or may be in equilibrium. Students examine energy at work in forming and modifying earth materials, landforms, and continents through geological time. Through regular laboratory and field investigations, students understand the history and development of the earth and space sciences, explore the uses of knowledge of the earth and its environment in various careers, and investigate earth and space science problems concerning personal needs and community issues related to science.

ELECTIVES

BIOLOGY II-ADVANCED PLACEMENT (AP) **(3020 BIO AP)**

2 Cr / 2 Sem gr. 10*-11-12

- Prerequisites: Biology I with a B or higher and Chemistry I (or currently enrolled in Chemistry I), or Integrated Chemistry-Physics with an A- or higher. For students in 10th grade, admission is based on the approval of the instructor.
- Both semesters are weighted by 3 points for a grade of C- or higher.
- Students have the possibility to earn 3 dual credits through Ivy Tech BIOL101 Intro Biology, pending the dual credit requirements set by the college.
- Meets the requirements for a Quantitative Reasoning Course .

Biology II-Advanced Placement follows the guidelines set by the College Board for this course. All students successfully completing this course will be taking the AP Biology Examination.

CHEMISTRY II-ADVANCED PLACEMENT (AP) **(3060 CHEM AP)**

2 Cr / 2 Sem gr. 11-12

- Prerequisites: Chemistry I and Algebra II with a B or higher.
- Both semesters are weighted by 3 points for a grade of C- or higher.
- Meets the requirements for a Quantitative Reasoning Course.
- Chemistry II-Advanced Placement follows the guidelines set by the College Board for this course. All students successfully completing this course will be taking the AP Chemistry Examination.
- Students may have the opportunity to earn dual credits, to be determined.

AP Chemistry is a course based on the content established and copyrighted by the College Board. The content includes: (1) structure of matter: atomic theory and structure, chemical bonding, molecular models, nuclear chemistry; (2) states of matter: gases, liquids and solids, solutions; and (3) reactions: reaction types, stoichiometry, equilibrium, kinetics and thermodynamics.

ANATOMY & PHYSIOLOGY **(5276 A & P)**

2 Cr / 2 Sem gr. 11-12

- Prerequisites: Biology I, Integrated Chemistry/Physics or Chemistry, and Algebra I.

Anatomy & Physiology is a course that focuses on the structure, organization, and function of the various components of the human body. The course is loosely organized into units covering the different organ systems, with each system studied in detail. It will provide extended laboratory and literature investigations into anatomy and physiology of the human body.

HUMAN BODY SYSTEMS **(5216 HUMAN SYST)**

2 Cr / 2 Sem gr. 10*-11-12

- Prerequisites: *Successful completion of Principles of Biomedical Science and Biology I required for students in grade 10. Students in grades 11 & 12 may be accepted without completing PBS with teacher recommendation.

This course will engage students in the study of the processes, structures and interactions of human body systems. Important biomedical concepts in the course include: communication, transport of substances, locomotion, metabolic processes, identity, and protection. The central theme will focus on how the body systems work together to maintain homeostasis and good health. The systems will be studied as "parts of a whole," working together to keep the amazing human machine functioning at an optimal level. Students will design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Exploring science in action, students will work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

MEDICAL INTERVENTIONS **(5217 MED INTERV)**

2 Cr / 2 Sem gr. 11-12

- Prerequisites: Successful completion of Principles of Biomedical Science and Human Body Systems or may be accepted with teacher recommendation.

Students will investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. A "How-To" manual for maintaining overall health and homeostasis in the body, the course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students will be exposed to a wide range of interventions related to Immunology, Surgery, Genetics, Pharmacology, Medical Devices, and Diagnostics. Each family case scenario will introduce multiple types of interventions and will reinforce concepts learned in the previous two courses, as well as present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions will be showcased across the generations of the family and will provide a look at the past, present and future of biomedical science. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important role scientific thinking and engineering design play in the development of interventions of the future.

AP PHYSICS 2: ALGEBRA BASED **(3081 PHYS 2 AP)**

2 Cr / 2 Sem gr. 11-12

- Prerequisite: Completion of Physics I and Pre-Calculus is strongly recommended
- Meets the requirements for a Quantitative Reasoning Course

AP Physics 2 is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP Physics 2: Algebra-based is equivalent to a second-semester college course in algebra-based physics. The course covers thermodynamics; electricity and magnetism; optics and waves; and modern physics.

PRINCIPLES OF BIOMEDICAL SCIENCE **(5218 PRIN BIOMED)**

2 Cr / 2 Sem gr. 9*-10-11-12

- *9th grade admission is based on the approval of the instructor & must take Biology I concurrently.
- Prerequisites: B- or higher in Biology I and Algebra I.

This course will provide an introduction to the biomedical sciences through an exciting "hands-on" project and problems. Student work will involve the study of human medicine, research processes and an introduction to bioinformatics and forensics. Students will investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell anemia, hypercholesterolemia, and infectious diseases. Key biological concepts will also include: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease.

Engineering principles will also be included in: the design process, feedback loops, fluid dynamics, and the relationship of structure to function. This course will be designed to provide an overview of all the future courses of the Biomedical Science program and to lay the scientific foundation necessary for student success in the subsequent courses. This will be a highly accelerated course and outside of class research will be necessary.

INTEGRATED CHEMISTRY/PHYSICS **(3108 ICP)**

2 Cr / 2 Sem gr. 11-12 *with teacher approval only

- This course is only available with **teacher approval**. Students who pass Biology I and Algebra I during 9th grade should enroll in Chemistry I or Physics I
- Meets the requirements for a Quantitative Reasoning Course

Integrated Chemistry/Physics-A will provide students with opportunities to explore concepts relating to the study of chemistry, including fundamental concepts of scientific inquiry, the structure of matter, chemical reactions, and interactions between energy and matter. Integrated Chemistry/Physics-B will provide students with opportunities to explore concepts relating to the study of physics including fundamental concepts of scientific inquiry, forces, and motion. This exploration will include math-based problem solving and laboratory experiences. Basic theories relating to chemistry and physics concepts will be studied. The ultimate goal of the course is to produce scientifically literate citizens capable of using their knowledge of physical science to solve real-world problems and to make personal, social, and ethical decisions that have consequences beyond the classroom walls.

SOCIAL STUDIES

WORLD HISTORY & CIVILIZATION **(1548 WLD HST/CVL)**

2 Cr / 2 Sem gr. 9-10

- Required for graduation

World History and Civilization emphasizes events and developments in the past that greatly affected large numbers of people across broad areas of the earth and that significantly influenced peoples and places in subsequent eras. A major focus centers on major themes encountered through the history of the world with a focus on key events and the people who helped to shape the history in relation to those major themes. Students are expected to practice skills and processes of historical thinking and inquiry that involve chronological thinking, comprehension, analysis and interpretation, research, issues-analysis, and decision-making. They are expected to compare and contrast events and developments involving diverse peoples and civilizations in different regions of the world.

UNITED STATES HISTORY **(1542 US HIST)**

2 Cr / 2 Sem gr. 11

- Required for graduation

United States History emphasizes national development in the late nineteenth and the twentieth centuries and builds upon concepts developed in previous studies of American history. Students in this course will identify and review significant events, figures, and movements that have helped to shape our nation today. This course will give major emphasis to the interaction of historical events, along with social and economic influences on national development. A chronological, topical, or comparative approach may be used in developing themes from America's past as they relate to life in Indiana and the United States today

UNITED STATES HISTORY – ADVANCED PLACEMENT **(1562 US HIST AP)**

2 Cr / 2 Sem gr. 11

- Prerequisites: Completion of each semester of World History and Civilization with a grade of A- or higher and/or have a cumulative GPA of 8.5 or higher and/or or have the recommendation of the AP instructor.
- Must maintain a grade of C- or higher in each semester to continue on or with instructor's permission.
- Students are required to take the AP exam in May for possible college credit (exam costs approx. $93).
- Both semesters are weighted by 3 points for grades of C- or higher.
- This program prepares students for college and will make demands upon them equivalent to those of college courses. Thus excellent reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed.
- Any student who does not fulfill the requirements for semester 1 or 2 will need to retake regular U.S. History, both A and B, unless written consent is given by the AP instructor.
- This class meets the requirement for graduation.

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and

technology; America in the world; geography and the environment; and culture and society. (AP Central Course Description)

ECONOMICS **(1514 ECON)**

1 Cr / 1 Sem gr. 12

- Required for graduation

This course is designed to examine the decision making processes of individuals, groups, and governments with regard to scarce resources. Students will understand the principle of scarcity: that people have unlimited wants which must be fulfilled using limited resources. Through the examination of practical examples, students will build a framework of skills to assist them in everyday economic decisions, and provide them with the knowledge necessary to examine broader economic issues and problems. The course will study the basic institutions of market economy and the role they play in defining and pursuing economic goals in the US economy. Emphasis is placed upon the effects of existing economic institutions, current economic policy alternatives as they affect both the individual and society.

UNITED STATES GOVERNMENT **(1540 US GOVT)**

1 Cr / 1 Sem gr. 12

- Required for graduation

United States Government provides a framework for understanding the nature and importance of responsible civic participation and for learning the rights and responsibilities of individuals in a constitutional democracy. The course enables students to explore the historic origins and evolution of our government. They will compare and contrast systems of world government and analyze the changing interpretations of the Constitution, as well as the current state of the legislative, executive, and judiciary branches of government. Students will learn to draw conclusions about the impact and interrelationships of history, geography, world affairs, and economics upon our system of government. An emphasis will be placed on analyzing the relationship among federal, state, and local governments, with particular attention paid to important historical documents and citizen participation. Students will have opportunities to take, defend, and evaluate positions on current issues that impact political decision-making.

ELECTIVES

PSYCHOLOGY **(1532 PSYCH)**

1 Cr / 1 Sem gr. 12

- Elective

This course provides students the opportunity to explore psychology as the scientific study of mental processes and behavior. Content for the course includes some insights into behavior patterns and adjustments to social environments. The course will develop critical attitudes toward superficial generalizations about human beings, respect for the difficulty of establishing the truth of a proposition, and a heightened sensitivity to the feelings and needs of others. Special emphasis is given to making the student aware of his/her individual self, his/her behavior, and the behavior, feelings, and needs of others in social context. Besides the study and discussion of the text, extensive use will be made of exercises, the scientific method, experiments, research and inventories to help develop critical attitudes toward superficial generalizations about human behavior. This class will be broken into six parts: scientific method, development, cognition, personality and mental health, sociocultural dimensions of behavior, and biological bases of behavior.

SOCIOLOGY **(1534 SOCIOLOGY)**

1 Cr / 1 Sem gr. 12

- Elective

Sociology is a one semester elective course recommended for seniors. Sociology is an introductory course concerned with group life, social organizations, and the understanding of individuals within society. It is the study of human behavior from a group perspective, including recurring patterns of attitudes and actions and how these patterns vary across time, among cultures, and in social groups. Students will examine society, group behavior, and social structures, as well as the impact of cultural change on society, through research methods using scientific inquiry. The course is divided into eight parts: foundations of sociology as a social science, culture, social status, social groups, social institutions, social change, social problems, and individuals and community.

ETHNIC STUDIES **(1516 ETH STUDIES)**

1 Cr / 1 Sem gr. 9-10-11-12

- Elective

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. This course will either focus on a particular ethnic group or groups, or use a comparative approach to the study of patterns of cultural development, immigration, and assimilation, as well as the contributions of specific ethnic or cultural groups. The course may also include analysis of the political impact of ethnic diversity in the United States.

INDIANA STUDIES **(1518 IN STUDIES)**

1 Cr / 1 Sem gr. 9-10-11-12

- Elective

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions. This class is project based and students will be required to work in a group setting and present their findings to the class.

TOPICS IN HISTORY **(1538 TOP HIST)**

1-4 Cr / 1-4 Sem gr. 9-10-11-12

- Elective
- This course may be repeated if the topic theme is different each year.
- "History of Sports" will be the theme.

Topics in History provide students the opportunity to study in-depth specific historical eras, events, or concepts. This class will involve regular research and technology skills as well as be involved in classroom discussions. This course will be an opportunity for students to explore historical topics in more detail. This class is project based and students will be required to work in a group setting and present their findings to the class.

WORLD LANGUAGES

All world language courses are taught using a natural approach by saturating the student in a language-rich environment. Students learn vocabulary through gestures and stories. The focus of all the foreign language courses is communication in the target language. All language classes require students to actively participate by listening, limiting the use of English and speaking the foreign language. Students will also improve their world language skills through reading and writing. Over 95% of the content is learned during class time through interaction with the teacher and other students. Students who do not have good attendance will have difficulty mastering the key concepts.

GERMAN I / SPANISH I **(2040 GER I / 2120 SPAN I)**

2 Cr / 2 Sem gr. 9-10-11-12

- Seniors are eligible only with teacher approval
- Students must have a C- in "a" before advancing to "b"
- Recommended Prerequisite: (1) Good attendance is highly recommended since most of the work is aural (listening) and cannot be made up outside of class time. (2) Incoming freshmen who have 2 or more F's in the 8th grade should wait until their sophomore year before taking a foreign language.
- Good study skills and strategies to learn vocabulary are essential to success in this course.

Create the German or Spanish childhood you never had in Level 1. Students will learn to speak fluently using limited vocabulary. Speaking and listening skills are stressed. Once students form a vocabulary base, they will develop reading and writing skills. Students will be able to apply effective strategies for language learning and experience various aspects of the culture(s). Students will have the opportunity to:

- respond to and give oral directions and commands and to make routine requests in the classroom and in public places
- understand and use appropriate forms of address in courtesy expressions and be able to tell about daily routines and events
- ask and answer simple questions and participate in brief guided conversations related to their needs and interests
- read short narratives with familiar vocabulary
- comprehend brief written directions and information
- read short narratives on simple topics
- write familiar words and phrases in appropriate contexts and respond in writing to various prompts; and
- write their own creative original personal short narratives and write summaries of oral work done in class

Additionally, students will learn:

- about nonverbal communication, such as gestures and body language
- about current events in the cultures
- the major holidays and geographical features of the countries being studied
- how to greet and say good-bye in different situations
- about the products, practices and perspectives of the culture being studied; and
- what are culturally appropriate behaviors

GERMAN II / SPANISH II **(2042 GER II / 2122 SPAN II)**

2 Cr / 2 Sem gr. 10-11-12

- Prerequisite: A minimum grade of C- in level I-b, or the written permission of the instructor.
- Good study skills and strategies to learn vocabulary are essential to success in this course.

Students will continue to improve their speaking and listening skills. In addition, Spanish and German students will also learn through textbook activities. Students will learn to write paragraphs with more complex structures. Students in German will also begin to read short works and novellas in the target language. Students will participate in conversations dealing with daily activities and personal interests. Students will be able to:

- ask and answer questions regarding routine activities
- participate in conversations on a variety of topics
- provide information about a personal experience or event
- interact in a variety of situations to meet personal need;
- understand main ideas and facts from simple texts over familiar topics
- speak and read aloud with appropriate intonation and pronunciation
- present prepared materials on related topics using the target language and
- write briefly in response to given situations.

Additionally, students will become:

- familiar with major geographical features, familiar with different aspects of the culture, including the visual arts, architecture, literature and music, using the foreign language where appropriate
- able to extend and respond to hospitality as a host or a guest and
- aware of time expectations, such as arriving for appointments and social engagements

GERMAN III / SPANISH III **(2044 GER III / 2124 SPAN III)**

2 Cr / 2 Sem gr. 11-12

- Prerequisite: A minimum grade of C- in level II, or the written permission of the instructor.
- Level III is a college prep course: therefore, good study skills and strategies to learn vocabulary are essential to success in this course.
- German level III is often combined with level IV. There is an alternating curriculum so that students learn different content each year.

Students continue building on the skills developed in Level II. Level III is a college prep course. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations. Students continue developing their reading and listening comprehension skills. Significant events in the culture will be discussed in the target language. The course further emphasizes making connections across content areas as well as the application of understanding the targeted culture and language outside of the classroom.

In addition, the students will be able to:

- exchange detailed information in oral and written form
- write cohesive information with greater detail
- derive meaning from written and oral information
- address the presentational mode by presenting student-created material on a variety of topics
- read aloud to practice appropriate pronunciation and intonation
- read for comprehension from a variety of authentic materials, such as advertisements and articles in newspapers and magazines
- read short literary selections
- write longer summaries and compositions

- continue to develop an understanding of the target culture and
- discuss significant events in the target culture

To be prepared for college language courses, students should continue with the language in their senior year.

GERMAN IV **(2046 GER IV)**

2 Cr / 2 Sem gr. 12

- Prerequisite: A minimum grade of C- in level IIIb, or the written permission of the instructor. Students must pass section a (semester one) with a C- to proceed on to section b (semester two).
- This course requires students to use the language in complex ways. It is a college-bound course.
- German level III is often combined with level IV. There is an alternating curriculum so that students learn different content each year.
- Good study skills and strategies to learn vocabulary are essential to success in this course.

Students will handle material in the target language of increased length and complexity. Students will read novels and will work on skills to prepare them for college language courses. The major emphasis is on communication within a variety of contexts that upper level students and adults might encounter. The class is conducted mostly in the target language. Students will be able to:

- respond to factual and interpretive questions
- interact in complex social situations
- express opinions and make judgments
- give presentations in the target language with increased complexity
- paraphrase or restate what someone else has said
- read for comprehension from a variety of longer authentic materials, such as newspapers and magazine articles, novels, and essays
- write well-organized compositions on a given topic and
- continue using the language creatively in written and oral assignments.

Additionally, students will:

- describe different aspects of the culture, using the foreign language and
- be able to learn about significant persons from history that influenced the country or countries being studied.

ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE **(2132 SP LANG AP)**

2 Cr / 2 Sem Grade: 11 / 12

- Prerequisite: A minimum grade of C- in level III, or the written permission of the instructor
- Prerequisite: Spanish I, II, and III
- Good study skills and strategies to learn vocabulary are essential to success in this course.

AP Spanish Language and Culture is a course established and copyrighted by the College Board and follows the College Board course guidelines for AP Spanish Language and Culture. The course prepares students to be successful on the AP Spanish Language and Culture exam. The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students 'awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions,

institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

LANGUAGE FOR HERITAGE SPEAKERS **(2190 LHS I)**

2 Cr / 2 Sem gr. 9-10-11-12

- This course is only available for Spanish heritage speakers.
- Prerequisite: Language test administered by high school Spanish teachers to determine placement.

This course is designed for Spanish heritage speakers who have demonstrated some degree of oral proficiency. The purpose of this course is to enable Heritage Language Learners to increase proficiency and bi-literacy in their native language by providing opportunities to improve reading and listening comprehension, as well as writing and grammar skills. Special attention will be given to grammar and vocabulary of the standard language, as well as to the importance of biculturalism and bilingualism in the United States today. Placement of students and development of the course curriculum is dependent upon the population of students enrolled in this course.

ENGLISH AS A NEW LANGUAGE- ENL I & II **(1012 ENL)**

2 Cr / 2 Semester gr. 9-10-11-12

- Prerequisite: Teacher recommendation
- A maximum of eight (8) English credits may be earned through this course.

This course is for non-English speaking students and students who understand simple sentences in English, especially when spoken slowly, but do not speak, read, or write English except for isolated words or expressions. The course focuses on comprehension, vocabulary, and communication. The goal of the course is to raise students' listening, reading, speaking and writing abilities through one on one instruction and interactive activities.

ENGLISH AS A NEW LANGUAGE- ENL III & IV **(1012 ENL)**

2 Cr / 2 Semester gr. 9-10-11-12

- Prerequisite: Teacher recommendation
- A maximum of eight (8) English credits may be earned through this course.

This course is for students who communicate in English with hesitancy and difficulty. The students can carry a conversation in English, read, understand, and follow simple directions. The course focuses on comprehension, vocabulary, and communication. The goal of the course is to raise students' listening, reading, speaking and writing abilities through one on one instruction and interactive activities.

PATHWAYS CAREER & TECHNICAL PROGRAMS

https://pathwayscte.com/

Application Link

COLUMBIA CITY - FAIRFIELD - WAWASEE

The Pathways CTE program is a cooperative venture between three high schools; Columbia City, Fairfield and Wawasee. The program provides students with the opportunity to expand their curriculum choice by permitting the student to take career classes at any of the three schools yet retain his/her identity with their home high school for social and athletic purposes. Students attending programs at Columbia City, Fairfield or Wawasee may have transportation provided by the school. In selecting a career & technical course, it is important for students to confer with his/her school counselor.

Students must apply for all of these courses, see application link above.

PROGRAM SITES

Columbia City HS
EMT (Seniors only)
Fire and Rescue I & Capstone

Fairfield HS
Building Trades I & Capstone
Computer Tech Support I & Capstone
Cosmetology I & Capstone
Veterinary Careers I & Capstone

POLYWOOD- Syracuse
POLYWOOD Academy I & Capstone

Wawasee High School
Automotive Technology I & Capstone
Building Trades I & Capstone
Culinary Arts & Hospitality I & Capstone
Radio & TV Broadcasting I & Capstone
Education Professionals I & Capstone
Engineering Technology I & Capstone
Health Science/Pre-Nursing I & Capstone
Marine Mechanics I & Capstone
Welding Technology I & Capstone

EMERGENCY MEDICAL TRAINING (Columbia City HS)

EMERGENCY MEDICAL TRAINING (EMT) **(7168, 5274, 7165, 7255 see below)**

8 Cr / All Year / 5 Pds gr. 12

- Seniors only
- Location: Columbia City High School - the bus leaves Wawasee HS at 6:50 am
- Students may earn EMT and CT Basic Emergency Medical Studies Certifications
- Students may receive up to 8 credits from Ivy Tech Community College

7168 Principles of Healthcare (2 high school credits) **(PRIN HLCR)**

Principles of Healthcare content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.

5274 Healthcare Fundamentals (2 high school credits) **(HEALTH FUND)**

Healthcare Fundamentals prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. Introduces cells, tissues, and human anatomy highlighting essential physiological principles through a systemic approach. Additionally, the course provides a general overview of basic concepts and terminology used in anatomy and physiology as applicable to health sciences and healthcare occupations. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including appropriate and accurate meaning, spelling, and pronunciation of medical terms, abbreviations, signs, and symbols.

7165 Emergency Medical Tech (2 high school credits) **(EMT)**

The Emergency Medical Technician (EMT) course is based on the training program developed by the Department of Transportation and the Emergency Medical Services Commission of Indiana. It covers theories, techniques, and operational aspects of pre-hospital emergency care within the scope and responsibility of the emergency medical technician (EMT). It requires laboratory practice and clinical observation in a hospital emergency room and ambulance. Successful completion of the course meets national requirements to test for certification as an NREMT.

7255 Healthcare Specialist Capstone (2 high school credits) **(HC SPEC CAP)**

The Healthcare Specialist Capstone course will facilitate healthcare students' acquisition of additional knowledge and skills necessary to work in a variety of healthcare settings beyond a long term care facility including hospitals, doctors' offices, and clinics. Students can accomplish this goal by completing coursework that will cover topics such as Medical Law and Ethics, Electronic Health Records, and/or Behavioral Health. Schools may offer additional healthcare certifications such as the Certified Clinical Medical Assistant (CCMA) or Phlebotomy along with the coursework or in place of the coursework.

FIRE & RESCUE
(Columbia City HS)

FIRE & RESCUE I **(7195, 7189 see below)**

4 Cr / All Year / 5 Pds gr. 11-12

- Location: Columbia City High School - the bus leaves Wawasee HS at 6:50 am
- Students may earn multiple certifications, including Firefighter I
- Students may receive up to 12 credits from Ivy Tech Community College

7195 Principles of Fire and Rescue (2 high school credits) **(PRIN FIRE RES)**

Principles of Fire and Rescue introduces students to the various roles that firefighters and emergency services workers play to protect the public from the loss of life and property. They are frequently the first emergency personnel at the scene of a traffic accident or medical emergency and may be called upon to put out a fire, treat injuries or perform other vital functions. This course will introduce students to the history, terminology, and basic firefighting skills needed for a beginning firefighter. Additionally, students will develop a career plan for a career in public safety; including areas of Fire Science, Homeland Security, and Emergency Medical Services.

7189 Fire Fighting Fundamentals (2 high school credits) **(FIRE FGHT FUN)**

Fire Fighting Fundamentals is for those students who are seeking certification as a firefighter. This course will prepare students for the Hazardous Materials Awareness and Operations certifications and will introduce students to NFPA 1001 which serves as the standard of measurement for all firefighters in North America. Students will learn the knowledge and hands-on practical skills for managing and controlling a hazardous materials incident required for the certifications. Furthermore, students will study how a fire behaves and will learn the basic firefighting skills needed to extinguish a fire while protecting themselves and other firefighters

FIRE RESCUE CAPSTONE **(7186, 7229 see below)**

4 Cr / All Year / 5 Pds gr. 12

- Location: Columbia City High School - the bus leaves Wawasee HS at 6:50 am
- Required Prerequisites: Successful completion of Fire & Rescue I
- Students may earn the Firefighter II certification
- Students may receive up to 3 credits from Ivy Tech Community College

7186 Advanced Fire Fighting (2 high school credits) **(ADV FIRE FGHT)**

Advanced Fire Fighting expands upon the principles and techniques of firefighting learned in Fire Fighting Fundamentals. Students will study fire protection systems, firefighter safety and survival. Students will also learn what fire is, the chemical hazards of combustion, and related by-products of fire. Additionally, students will gain a better understanding of fire department organization, administration, operations, and basic strategies and tactics.

7229 Fire and Rescue Capstone (2 high school credits) **(FIRE RES CAP)**

Fire and Rescue Capstone will prepare students to earn the EMT certification.

COMPUTER TECH SUPPORT
(Fairfield HS)

COMPUTER TECH SUPPORT I **(7183, 7180, 7181 see below)**

6 Cr / All Year /4 Pds gr. 11-12

- Location: Fairfield Jr/Sr High School
- Students have the opportunity to earn 10 dual credits with Ivy Tech Community College
- Students may earn CompTIA A+ and PC Pro Certifications

7183 Principles of Computing (2 high school credits) **(PRIN COMP INFO)**

Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. The course will begin by exploring trends of computing and the necessary skills to implement information systems. Topics include operating systems, database technology, cybersecurity, cloud implementations and other concepts associated with applying the principles of good information management to the organization. Students will also have the opportunity to utilize basic programming skills to develop scripts designed to solve problems. Students will learn about algorithms, logic development and flowcharting.

7180 Information Technology Fundamentals (2 high school credits) **(INFO TECH FUN)**

Information Technology Fundamentals provides the necessary competencies required for an entry-level Information Technology professional. Students will have the knowledge required to assemble components based on customer requirements, install, configure and maintain devices/software for end users, understand the basics of networking and security, properly and safely diagnose, resolve and document common hardware and software issues while applying troubleshooting skills. Students will also learn appropriate customer support, understand the basics of virtualization, desktop imaging, and deployment. This course should also prepare students for the CompTia A+ Certification Exam.

7181 Networking and Cybersecurity Operations (2 high school credits) **(INFO TEC SUP SER)**

Advanced Information Technology will provide students with the fundamental concepts in networking and cybersecurity. Students are introduced to the principles and concepts of computer networking. covering the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. Students will be able to troubleshoot routers and switches and resolve common issues. The students will also explore the field of Cyber Security/Information Assurance focusing on the technical and managerial aspects of the discipline. Students will be introduced to the basic terminology, concepts, and best practices of computer/network security and the roles and responsibilities of management/security personnel. The students will learn the technologies used and techniques involved in creating a secure computer networking environment including authentication and the types of attacks against an organization.

IT SUPPORT CAPSTONE **(7245 IT SUPP CAP)**

6 Cr / All Year / 4 Pds gr. 12

- Location: Fairfield Jr/Sr High School
- Students may earn CompTIA Security+ (SYO-601) Certification along with internship experience opportunities

7245 IT Support Capstone (6 high school credits)

IT Support Capstone students will acquire the skills and knowledge needed to provide Tier 1 technical support services. The student will learn troubleshooting and problem solving in working with end users using various digital tools such as helpdesk software, knowledge bases, ticket management systems, and other Tier 1 computer related support services. Students will also learn to implement, administer, and troubleshoot Informations systems using the Microsoft Windows clients and servers in an enterprise environment. Students will be introduced to managing applications, files, folders, and devices in a Windows active directory environment. Additionally students have the chance to understand and apply Linux and Virtualization concepts.

COSMETOLOGY
(Fairfield HS)

COSMETOLOGY I **(7330, 7331, 7332 see below)**

6 Cr / All Year / 5 Pds gr. 11-12

- Recommended Prerequisite: Preparing for College & Careers and Introduction to Business
- Location: Fairfield Jr/Sr High School, transportation may be provided
- Cosmetology I meets 7:30 a.m.-11:30 a.m., periods 1, 2, 3, WT, 5 and earns 6 Dual Credits

7330 Principles of Barbering and Cosmetology (2 high school credits) (PRIN COSMO)

Principles of Barbering and Cosmetology offers an introduction to cosmetology with emphasis on basic practical skills and theories including roller control, quick styling, shampooing, hair coloring, permanent waving, facials, manicuring, business and personal ethics, bacteriology, and sanitation. Successful completion of the course requires at least 375 Cosmetology studio hours.

7331 Barbering and Cosmetology Fundamentals (2 high school credits) (COSMO FUND)

Barbering and Cosmetology Fundamentals focuses on the development of practical skills introduced in Principles of Barbering and Cosmetology. Clinical application and theory in the science of barbering and cosmetology are introduced. Successful completion of the course requires at least 375 Cosmetology studio hours.

7332 Advanced Cosmetology (2 high school credits) (ADV COSMO)

Advanced Cosmetology will emphasize the development of advanced skills in styling, hair coloring, permanent waving, facials, manicuring, chemical texturizing, and hair cutting techniques. Students will also further study anatomy and physiology as it applies to hair care professions. Successful completion of the course requires at least 375 studio hours.

BARBERING AND COSMETOLOGY CAPSTONE **(7334 COSMO CAP)**

6 Cr / All Year / 5 Periods / Grade 12

- Required Prerequisite: Successful completion of Cosmetology I
- Location: Fairfield Jr/Sr High School, transportation may be provided
- Upon successful completion of Cosmetology I & II and passing of state examination, students may earn an IN Cosmetology License.
- Cosmetology II meets 11:30 a.m.-4:00 p.m., periods WT, 5, 6, 7, 8 and earns 6 Dual Credits

7334 Barbering and Cosmetology Capstone (6 high school credits)

Barbering and Cosmetology Capstone builds and improves previously developed skills with emphasis on developing individual techniques. Professionalism, shop management, psychology in relation to barbering and cosmetology, and preparation for state board examinations are stressed. Successful completion of the course requires at least 375 studio hours.

VETERINARY CAREERS
(Fairfield HS)

VETERINARY CAREERS I **(7280, 7281, 5070 see below)**

6 Cr / All Year / 4 Pds gr. 11-12

- Recommended Prerequisites: Biology & Algebra
- Location: Fairfield Jr/Sr High School
- Students may earn the Elanco Veterinary Medicine Applications Certificate (iCEV)
- Students may earn 3 dual credits from Ivy Tech Community College

7280 Principles of Veterinary Science **(PRIN VET SCI)**

Principles of Veterinary Science provides students with an overview of the small and large animal veterinary industry which includes companion, food, and exotic animals. Principles of Veterinary Science provides students with an overview of common veterinary careers, including: veterinary assistant, veterinary technician, and veterinarian. Students will learn the foundational knowledge necessary for a career working with either large or small animals. Students will also begin developing practical lab skills and an understanding of common veterinary office practices.

7281 Veterinary Science **(VET SCI)**

Veterinary Science provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts including: medical terminology, laboratory procedures, clinical examination procedures, and the principles of animal diseases. Students will be introduced to issues associated with working in a veterinary clinic, veterinary clinic management, and veterinary law and ethics.

5070 Advanced Life Science, Animals **(ALS ANIML)**

Advanced Life Science: Animals provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to history and trends in animal agriculture as related to animal welfare, husbandry, diseases and parasites, laws and practices relating to handling, housing, environmental impact, global sustainable practices of animal agriculture, genetics, breeding practices, biotechnology uses, and comparative knowledge of anatomy and physiology of animals used in animal agriculture.

VETERINARY SCIENCE CAPSTONE **(7282 VET SCI CAP)**

6 Cr / All Year / 4 Pds gr. 12

- Recommended Prerequisites: Successful completion of Veterinary Careers I
- Location: Fairfield Jr/Sr High School
- Students may earn OSHA-10, Fear Free Certifications
- Students will need to supply their own transportation to the internship site

7282 Veterinary Science Capstone

The Veterinary Science Capstone builds upon the knowledge and skills developed in the animal and veterinary courses by developing advanced skills that students can apply to the field. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience. Students should explore concepts related to pharmacy and pharmacology, medical math, animal nursing, radiology and ultrasound imaging, and surgical preparation and assisting.

AUTOMOTIVE TECHNOLOGY
(Wawasee HS)

AUTOMOTIVE SERVICES TECHNOLOGY I **(7213, 7205, 7212, see below)**

6 Cr / All Year / 3 Pds gr. 11-12

- Recommended Prerequisite: Preparing for College & Careers, APS: Small Engines
- Location: Wawasee High School
- Students may earn ASE and ShopKey Pro Certifications
- Students may receive up to 6 dual credits from IVY Tech Community College
- Content standards are based on ASE certifications

7213 Principles of Automotive Services (2 high school credits) **(PRIN AUTO SER)**

This course gives students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive industry. Students will study the maintenance and light repair of automotive systems. Also, this course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics.

7205 Brake Systems (2 high school credits) **(BRK SYS)**

This course gives students an in-depth study of vehicle electrical systems. Students will study the fundamentals of electricity and automotive electronics in various automotive systems. Additionally, it teaches theory, service and repair of automotive braking systems. This course provides an overview of various mechanical brake systems used on today's automobiles. This course will emphasize professional diagnosis and repair methods for brake systems.

7212 Steering and Suspensions (2 high school credits) **(STEER SUSP)**

This course takes an in-depth look at engine performance, including concepts in the diagnosis and repair of ignition, fuel, emission and related computer networks. This course presents engine theory and operation and studies the various engine designs utilized today. This course also takes an in-depth look at engine performance, including advanced concepts in the diagnosis and repair of ignition, fuel, emission and related computer networks. This course presents engine theory and operation and studies the various engine designs utilized today. Hybrid/Alternative fuel technology will also be introduced.

AUTOMOTIVE SERVICES TECHNOLOGY CAPSTONE **(7375 AUTO SRV CAP)**

6 Cr / All Year / 3 Pds gr. 12

- Required Prerequisite: Successful completion of Automotive Services Technology I
- Location: Wawasee High School
- Students may earn ASE and ShopKey Pro Certifications
- Students may earn dual credits through Baker's College (Auto Diesel Institute), UNOH, & Lincoln Tech upon admission to those institutions and successful completion of the course
- Content standards are based on ASE certifications

The Auto Service Capstone (7375) course further explores important skills and competencies within the Automotive Service Technology Pathway. Topics such as Steering & Suspension, Engine Repair, Climate Control, and Driveline Service. Additionally, Co-Op and Internship opportunities will be available for students.

BUILDING TRADES
(Wawasee HS)

<u>BUILDING TRADES TECHNOLOGY I</u> **(7130, 7123, 7122 see below)**

6 Cr / All Year / 3 Pds gr. 11-12

- Recommended Prerequisite: Construction I & II
- Location: Wawasee High School or Fairfield/Jr/Sr High School, transportation may be provided
- Students may earn certification from the National Center for Construction Education & Research (NCCER)
- Students may receive up to 15 dual credits from IVY Tech Community College

7130 Principles of Construction Trades (2 high school credits) (PRIN CON TR)

Principles of Construction Trades provides students with the basic skills needed to continue in a construction trade field. Covered topics include an introduction to the types and uses for common hand and power tools, learning the types and basic terminology associated with construction drawings, and basic worksite safety. Additionally, students study the roles of individuals and companies within the construction industry. Emphasis is placed on the importance of mathematical and communication skills within the construction industry.

7123 Construction Trades: General Carpentry (2 high school credits) (CON TRD GC)

Construction Trades: General Carpentry builds upon the skills learned in the Principles of Construction Trades and examines the basics of framing. This includes studying the procedures for laying out and constructing floor systems, wall systems, ceiling joist and roof framing, and basic stair layout. Additionally, students will be introduced to building envelope systems.

7122 Construction Trades: Framing and Finishing (2 high school credits) (CON TRD FR FIN)

Construction Trades: Framing and Finishing prepares students with advanced framing skills along with interior and exterior finishing techniques. Topics include roofing applications, thermal and moisture protection, exterior finishing, cold-formed steel framing, drywall installation and finishing, doors and door hardware, suspended ceilings, window, door, floor, and ceiling trim, and cabinet installation

<u>BUILDING TRADES TECHNOLOGY CAPSTONE</u> **(CSTR TR CAP)**

6 Cr / All Year / 3 Pds gr. 12

- Required Prerequisite: Successful completion of Building Trades Technology I
- Location: Wawasee High School or Fairfield Jr/Sr High School, transportation may be provided
- Students may earn certification from the National Center for Construction Education & Research (NCCER)

7242 Construction Trades Capstone (6 high school credits)

The Construction Trades: General Carpentry Capstone allows students to gain a deeper understanding and experience of the field of carpentry. This course builds upon the skills and concepts that students were first introduced to in Principles of Construction Trade, Construction Trades: General Carpentry, and Construction Trades: Framing and Finishing. Additional topics include an introduction to the National Electric Code, electrical safety, electrical circuits, basic electrical construction drawings, and residential electrical services. The course prepares students for the NCCER Carpentry Electrical Level 1 Certificates.

CULINARY ARTS & HOSPITALITY (Wawasee HS)

CULINARY ARTS I **(7173, 7171, 7169 see below)**

6 Cr / All Year / 3 Pds gr. 11-12

- Recommended Prerequisite: Intro to Culinary Arts & Hospitality, Advanced Nutrition & Wellness
- Location: Wawasee High School
- This class has a limit of 20 students
- Students may earn a ServSafe, CPR, & First Aid Training certifications
- Students may receive up to 5 dual credits from IVY Tech Community College

7173 Principles of Culinary and Hospitality (2 high school credits) (PRIN HOSP)

Principles of Culinary and Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the food service and lodging industry. Introduces procedures for decision making which affects operation management, products, labor, and revenue. Additionally, students will learn the fundamentals of food preparation, basic principles of sanitation, service procedures, and safety practices in the food service industry including proper operation techniques for equipment.

7171 Nutrition (2 high school credits) (NUTR)

Nutrition students will learn the characteristics, functions and food sources of the major nutrient groups and how to maximize nutrient retention in food preparation and storage. Students will be made aware of nutrient needs throughout the life cycle and to apply those principles to menu planning and food preparation. This course will engage students in hands-on learning of nutritional concepts such as preparing nutrient dense meals or examining nutritional needs of student athletes.

7169 Culinary Arts (2 high school credits) (CUL ARTS)

Culinary Arts teaches students how to prepare the four major stocks, the five mother sauces (in addition to smaller sauces) and various soups. Additional emphasis is placed on the further development of the classical cooking methods. This course will also present the fundamentals of baking science including terminology, ingredients, weights and measures, and proper use and care of equipment. Students will produce yeast goods, pies, cakes, cookies, and quick breads.

PASTRY CAPSTONE **(7235 BAKE PSTRY CAP)**

6 Cr / All Year / 3 Pds gr. 12

- Required Prerequisite: Successful completion of Culinary Arts I
- Location: Wawasee High School
- This class has a limit of 20 students

7235 Bakery and Pastry Capstone (6 high school credits)

The objective of this course is to help students understand the science of baking and the different reactions that take place based on the ingredients, temperatures, and equipment in relation to the final product. The course requires students to produce and finish a variety of cakes. The course emphasizes application techniques, color coordination, and the flavor and texture of fillings. Students will practice the techniques of basic cake decorating. This course will also address classical French and European desserts, including the preparation of goods such as Napoleons, Gateau St. Honoré, petit fours and petit fours sec, ganaches, pastry creams and fillings, sauces, flans and tarts, and European sponges. The course also includes instruction in tempering of chocolates, molding, and chocolate plastique, preparation of truffles, pastillage

and marzipan, short doughs, and meringues. The student will be instructed in the latest preparation methods, innovative ideas for impressive plate presentations, and techniques that utilize specialized equipment and tools to make high-tech, novel creations.

RADIO AND TELEVISION
(Wawasee HS)

RADIO AND TELEVISION **(7139, 7306, 7307 see below)**

6 Cr / All Year / 3 Pd gr. 11-12

- Required Prerequisite: The students' parents must agree to the school corporation media release agreement.
- Location: Wawasee High School
- Live Sports Broadcasting (Extra Curricular/After School)
    - We provide a community service and educational opportunity for students in the world of sports broadcasting (Football/Basketball) on 93.7 FM The Mix and CPG-TV. Students can be a part of the broadcast crew (Play-By-Play/Color Commentator), and behind the scenes in the radio studio and TV control room, operating all equipment necessary for a live broadcast. No experience is necessary to participate. Hands-on training will be provided.

7139 Principles of Broadcasting (2 high school credits) **(PRIN BROAD)**

The purpose of the Principles of Broadcasting course is to provide entry-level fundamental skills for students who wish to seek or pursue opportunities in the field of broadcasting or mass media. Students will explore the technical aspects of audio and sound design for radio production and distribution, as well as, the technical aspects of video production and distribution.

7306 Audio and Video Production Essentials (2 high school credits) **(AUD VID PROD)**

Audio and Video Production Essentials provides an in-depth study on audio and video production techniques for radio, television, and digital technologies. Students will learn skills necessary for audio production and on-air work used in radio and other digital formats. Additionally, experience will be gained in the development of the video production process; including skills in message development, directing, camera, video switcher, and character generator operations.

7307 Mass Media Production (2 high school credits) **(MASS MED PROD)**

Mass Media Production will focus on the study of theory and practice in the voice and visual aspects of radio and television performance. In addition, this course introduces the skills used to acquire and deliver news stories in a digital media format. Students will learn how to research issues and events, interview news sources, interact with law enforcement and government officials, along with learning to write in a comprehensive news style.

RADIO & TV BROADCASTING CAPSTONE **(7308 RAD TV BROAD CAP)**

6 Cr / All Year / 3 Pd gr. 12

- Required Prerequisite: Successful completion of Digital Audio/Video Media I and the student parent must agree to the school corporation media release agreement.
- Location: Wawasee High School
- Live Sports Broadcasting (Extra Curricular/After School)
    - We provide a community service and educational opportunity for students in the world of sports broadcasting (Football/Basketball) on 93.7 FM The Mix and CPG-TV. Students can be a part of the broadcast crew (Play-By-Play/Color Commentator), and behind the scenes in the radio studio and TV control room, operating all equipment necessary for a live broadcast. No experience is necessary to participate. Hands-on training will be provided.

7308 Radio & TV Broadcasting Capstone (6 high school credits)

This course will cover a variety of domains further building on skills in video production, and broadcast industry practices specific to radio, television, and digital media. Attention will be given to cross-industry synergies, emerging technologies, and the global market for media. Students are highly encouraged to do a video newscast or radio practicum to gain real world experience. In most cases this practicum may be completed through a school-based enterprise.

ELECTIVE

INTRODUCTION TO COMMUNICATION **(4790 INT COMM)**

1 Cr / 1 Sem / 1 Pd gr. 9-10-11-12

- Required/Recommended Prerequisite: none
- Location: Wawasee High School

4790 Introduction to Communications

Introduction to Communications is a course designed to provide a foundational knowledge of identifying and using modern communications to exchange messages and information. This course explores the application of the tools, materials, and techniques used to design, produce, use, and assess systems of communication. Students will produce video and audio media as they apply communication technologies. This course will also explore the various technical processes used to link ideas and people through the use of video and audio media. Major goals of this course include an overview of communication technology; the way it has evolved, how messages are designed and produced, and how people may profit from creating information services and products. Students will explore mass media communication processes including radio and television broadcasting, recording services, and other related systems. Students will use the design process to solve design projects in each communication area.

EDUCATION PROFESSIONS
(Wawasee HS)

EDUCATION PROFESSIONS I **(7161, 7157, 7162 see below)**

6 Cr / All Year / 3 Pd gr. 11-12

- Location: Wawasee High School & Field Experience Placement
    - Monday and Tuesday at WHS
    - Wednesday, Thursday, and Friday at Field Experience Placement
- Students may receive 8 dual credits from Ivy Tech Community College

7161 Principles of Teaching **(PRIN TEACH)**

This course provides a general introduction to the field of teaching. Students will explore educational careers, teaching preparation, and professional expectations as well as requirements for teacher certification. Current trends and issues in education will be examined. A minimum 20 hour classroom observation experience is required for successful completion of this course.

7157 Child and Adolescent Development **(CHLD ADL DEV)**

Child and Adolescent Development examines the physical, social, emotional, cognitive, and moral development of the child from birth through adolescence with a focus on the middle years through adolescence. Basic theories of child development, biological and environmental foundations of development, and the study of children through observation and interviewing techniques are explored. The influence of parents, peers, the school environment, culture and the media are discussed. An observation experience up to 20 hours may be required for completion of this course. This course has been approved to be offered for dual credit. Students pursuing this course for dual credit are still required to meet the minimum prerequisites for the course and pass the course with a C or better in order for dual credit to be awarded.

7162 Teaching and Learning **(TEACH LRN)**

Teaching and Learning provides students the opportunity to apply many of the concepts that they have learned throughout the Education Professions pathway. In addition to a focus on best practices, this course will provide an introduction to the role that technology plays in the modern classroom. Through hands-on experience with educational software, utility packages, and commonly used microcomputer hardware, students will analyze ways to integrate technology as a tool for instruction, evaluation, and management.

EDUCATION PROFESSIONS CAPSTONE **(7267 ED PROF CAP)**

6 Cr / All Year / 3 Pd gr. 12

- Required Prerequisites: Successful completion of Education Professions I
- Location: Wawasee High School & Field Experience Placement
- Students may receive 6 dual credits from Ivy Tech Community College

7267 Education Professions Capstone

The Education Professions Capstone provides an extended opportunity for field experience to further apply concepts that have been presented throughout the pathway. Students will also have the opportunity to explore the topics of the exceptional child and literacy development through children's literature. Students will gain a deeper understanding of inclusive teaching techniques along with policies, theories, and laws related to special education. Students interested in pursuing a career in Elementary Education are encouraged to also study the benefits of using children's literature in the classroom. This course may be further developed to include specific content for students interested in pursuing a career in secondary education. The course should include a significant classroom observation and assisting experience.

HEALTH SCIENCE/PRE-NURSING
(Wawasee HS)

HEALTH SCIENCE / PRE-NURSING I **(7168, 5274, 7166 see below)**

6 Cr / All Year / 3 Pds gr. 11-12

- Recommended Prerequisites: Principles of Biomedical Science or Human Body Systems
    - *Vaccines may be required for clinical experience and to earn dual credits*
- Location: Wawasee High School
- Students may earn CPR and CNA certifications
- Students may receive up to 11 dual credits from IVY Tech Community College

7168 Principles of Healthcare (2 high school credits) **(PRIN HLCR)**

Principles of Healthcare content examines skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.

5274 Healthcare Fundamentals (2 high school credits) **(HEALTH FUND)**

Healthcare Fundamentals prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. Introduces cells, tissues, and human anatomy highlighting essential physiological principles through a systemic approach. Additionally, the course provides a general overview of basic concepts and terminology used in anatomy and physiology as applicable to health sciences and healthcare occupations. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including appropriate and accurate meaning, spelling, and pronunciation of medical terms, abbreviations, signs, and symbols.

7166 Healthcare Specialist: CNA (2 high school credits) **(HC SPEC CNA)**

The Healthcare Specialist: CNA course prepares individuals desiring to work as nursing assistants with the knowledge, skills, and attitudes essential for providing basic care in extended care facilities, hospitals, and home health agencies under the direction of licensed nurses. The course will introduce students to the disease process and aspects of caring for a long-term care resident with dementia. Individuals who successfully complete this course are eligible to apply to sit for the Indiana State Department of Health (ISDH) certification exam for nursing assistants. This course meets the minimum standards set forth by the ISDH for Certified Nursing Assistant (CNA) training and for health care workers in long-term care facilities.

HEALTHCARE SPECIALIST CAPSTONE OR BIOMEDICAL INNOVATIONS

(7255 HC SPEC CAP) OR
(5219 BIO INN & 7156 TECH SKL DEV)

6 Cr / All Year / 3 Pds gr. 12

- Recommended Prerequisites: Principles of Biomedical Science or Human Body Systems
    - *Vaccines may be required for clinical experience and to earn dual credits*
- Required Prerequisite: Successful completion of Health Science / Pre-Nursing I **OR** Principles of Biomedical Science, Human Body Systems, and Medical Interventions
- Location: Wawasee High School
- Students must supply their own transportation to their intern placement
- Students may receive 6 dual credits from IVY Tech Community College

7255 Healthcare Specialist Capstone (6 high school credits)

The Healthcare Specialist Capstone course will facilitate healthcare students' acquisition of additional knowledge and skills necessary to work in a variety of healthcare settings beyond a long term care facility including hospitals, doctors' offices, and clinics. Students can accomplish this goal by completing coursework that will cover topics such as Medical Law and Ethics, Electronic Health Records, and/or Behavioral Health. Schools may offer additional healthcare certifications such as the Certified Clinical Medical Assistant (CCMA) or Phlebotomy along with the coursework or in place of the coursework.

OR both of the following:

5219 Biomedical Innovations (2 high school credits)

Biomedical Innovations is a capstone course designed to give students the opportunity to design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Students have the opportunity to work on an independent project and may work with a mentor or advisor from a healthcare or postsecondary industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community. NOTE: This course aligns with the PLTW Biomedical Innovations curriculum. Use of the PLTW Curriculum may require additional training and membership in the PLTW network.

7156 Technical Skills Development (2 high school credits)

The Technical Skills Development course may be used to provide students with the opportunity to apply the technical knowledge and skills learned in a Concentrator A or B course through additional real world learning experiences such as lab activities, project based learning or a work-based learning experience. Students must be co-enrolled in a Concentrator A and/or B course in order to be enrolled in the Technical Skills Development course.

MARINE MECHANICS
(Wawasee HS)

MARINE MECHANICS & POWER SPORTS I **(7392, 7393, 7394 see below)**

6 Cr / All Year / 3 Pds gr. 11-12

- Recommended Prerequisite: Preparing for College & Careers, APS; Small Engines
- Location: Wawasee High School's Marine Mechanics & Power Sports Facility
- Students may earn Forklift Operator, Mercury, and Yamaha certifications

7392 Principles of Marine Service (2 high school credits) **(PRIN MAR)**

Principles of Marine Service introduces students to boating basics and fundamental concepts. This course provides entry-level fundamental skills such as basic tool usage and safety, basic electrical and electrical circuits. Students will also have the opportunity to explore basic operation of two stroke and four stroke engines as well as rigging.

7393 Inboard/Outboard Maintenance and Performance (2 high school credits) **(IN/OUT MAIN)**

Inboard / Outboard Maintenance and Performance supplies in-depth training on inboard and outboard motors. This course will provide students with the knowledge to service customer boats by maintaining engine friction and lubrication, two stroke and four stroke engine lubrication, lower unit maintenance, cooling system maintenance and electronic fuel injection (EFI) systems.

7394 Powersports Maintenance and Performance (2 high school credits) **(POW MAIN)**

Powersports Maintenance and Performance focuses on the exploration of several types of motorsport vehicles and personal watercraft. Students will learn the fundamental concepts of servicing WaveRunners, UTVs, ATVs, snowmobiles, motorcycles and on/off road vehicles. This course will also cover skills needed to service electronic fuel injection (EFI) engines and transmissions.

MARINE MECHANICS & POWER SPORTS CAPSTONE **(7395 MAR CAP)**

6 Cr / All Year / 3 Pds gr. 12

- Required Prerequisite: Successful completion of Marine Mechanics I
- Location: Wawasee High School's Marine Mechanics & Power Sports Facility
- Students may earn Forklift Operator, Mercury, and Yamaha certifications

7395 Marine Mechanics Service Capstone (6 high school credits)

This Marine Mechanics Capstone course further builds on skills and competencies within the marine and powersports specialty. Students are provided with hands-on experience in the field by servicing customer boats and powersports. Opportunities for marina or powersports facility mentorship may be available.

WELDING TECHNOLOGY
(Wawasee HS)

<u>WELDING TECHNOLOGY I</u> **(7110, 7111, 7101 see below)**

6 Cr / All Year / 3 Pds gr. 11-12

- Location: Wawasee High School Welding Technology Facility
- Students may earn OSHA-10
- Students may receive up to 9 dual credits from Ivy Tech Community College

7110 Principles of Welding Technology (2 high school credits) **(PRIN WELD TECH)**

Principles of Welding Technology includes classroom and laboratory experiences that develop a variety of skills in oxy-fuel cutting and basic welding. This course is designed for individuals who intend to make a career as a Welder, Technician, Designer, Researcher, or Engineer. Emphasis is placed on safety at all times. OSHA standards and guidelines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld and be prepared for postsecondary and career success.

7111 Shielded Metal Arc Welding (2 high school credits) **(SHLD MAW)**

Shielded Metal Arc Welding involves the theory and application of the Shielded Metal Arc Welding process. Process theory will include basic electricity, power sources, electrode selection, and all aspects pertaining to equipment operation and maintenance. Laboratory welds will be performed in basic weld joints with a variety of electrodes in the flat, horizontal and vertical and overhead positions. Emphasis will be placed on developing the basic skills necessary to gain entry level skills and to comply with AWS industry standards.

7101 Gas Welding Processes (2 high school credits) **(GAS WELD PROC)**

Gas Welding Processes is designed to cover the operation of Gas Metal Arc Welding (MIG) equipment. This will include all settings, adjustments and maintenance needed to weld with a wire feed system. Instruction on both short-arc and spray-arc transfer methods will be covered. Tee, lap, and open groove joints will be done in all positions with solid, flux core, and aluminum wire. Test plates will be made for progress evaluation. Schools may choose to offer the course as a comprehensive MIG (GMAW, FCAW) Welding course or a combination of introductory MIG and TIG (GMAW, FCAW, and GTAW) Welding operations.

<u>WELDING TECHNOLOGY CAPSTONE</u> **(7226 WELD TECH CAP)**

6 Cr / All Year / 3 Pds Grades 12

- Required Prerequisites: Successful completion of Welding Technology I
- Location: Wawasee High School Welding Technology Facility
- Students may test for their AWS certification after completing Welding I & II
- Students may earn the Forklift Safety certification
- Students may receive up to 3 dual credits from Ivy Tech Community College

7226 Welding Technology Capstone (6 high school credits)

The Welding Technology Capstone course builds upon the knowledge and skills developed in Welding Fundamentals, Shielded Metal Arc Welding, and Gas Metal Arc Welding by developing advanced welding skills in Gas Tungsten Arc Welding (TIG), Pipe Welding, and Fabrication. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience.

POLYWOOD ACADEMY
(POLYWOOD-Syracuse)

POLYWOOD ACADEMY I **(7108, 7103 see below)**

6 Cr / All Year / 3 Pds gr. 11-12

- Location: POLYWOOD

7108 Principles of Advanced Manufacturing (PRIN ADV MFG)

Principles of Advanced Manufacturing is a course that includes classroom and laboratory experiences in Industrial Technology and Manufacturing Trends. Domains include safety and impact, manufacturing essentials, lean manufacturing, design principles, and careers in advanced manufacturing. Hands-on projects and team activities will allow students to apply learning on the latest industry technologies. Work-based learning experiences and industry partnerships are highly encouraged for an authentic industry experience.

7103 Advanced Manufacturing Technology (ADV MFG TECH)

Advanced Manufacturing Technology introduces manufacturing processes and practices used in manufacturing environments. The course also covers key electrical principles, including current, voltage, resistance, power, inductance, capacitance, and transformers, along with basic mechanical and fluid power principles. Topics include, types of production, production materials, machining and tooling, manufacturing planning, production control, and product distribution will be covered. Students will be expected to understand the product life cycle from conception through distribution. This course also focuses on technologies used in production processes. Basic power systems, energy transfer systems, machine operation and control will be explored. This course will use lecture, lab, online simulation and programming to prepare students for Certified Production Technician Testing through Manufacturing Skill Standards Council (MSSC).

7102 Industrial Electrical Fundamentals (IND ELEC FUND)

The Industrial Electrical Fundamentals course will introduce students to the National Electric Code and its application in designing and installing electrical circuits, selecting wiring materials and devices, and choosing wiring methods. Students will also gain a general understanding of common types of electric motors.

POLYWOOD ACADEMY CAPSTONE **(7260 IND ELEC CAP)**

6 Cr / All Year / 3 Pds gr. 12

- Required Prerequisite: Successful completion of POLYWOOD Academy I
- Location: POLYWOOD

7260 Industrial Electrical Capstone

The Industrial Electrical Capstone is designed to provide an understanding of circuits using alternating current and the motor operation as well as the operation and programming of programmable logic controllers (PLC). The course will also examine the electrical components in a complex mechatronic system. This course will give each student a general understanding of common types of electric motors, extending from the small shaded pole fan motors to the large three-phase motors. This course will use lectures, labs, online simulations and programming to prepare students for the C-207 Programmable Controller Systems 1 Certification through Smart Automation Certification Alliance (SACA).