WEST NOBLE HIGH SCHOOL
COURSE GUIDE

Dear West Noble High School Students,

This course guide presents information and instructions needed to help you complete your enrollment form and class schedule for next year. We hope you will give this matter serious thought before making a final decision because this form is what we use to build our master schedule. You will want to select electives that will be useful and valuable to you. You should consider your career goal beyond high school, your past grades in school, and the advice of your teachers, counselors, and parents before making a final decision.

DIPLOMA

We would like to remind you of the graduation requirements for West Noble High School. General Diploma is the minimum state requirement. A **minimum** of 40 credits are required for graduation. Please pay close attention to your diploma requirements and take your diploma into consideration when choosing classes.

CREDIT

A credit is given for satisfactory completion (D- or higher) of a class in a trimester. Each completed class will equal one credit. Credits are not given for LRC.

LOAD

Students are required to carry a minimum of 6 classes on a Semester Schedule. Students will have the opportunity to take an LRC each semester.

DUAL CREDIT COURSES

Students will be required to complete applications for each college they are planning to take dual credit courses through. West Noble currently offers dual credit through three colleges: Trine University, PFW, and Ivy Tech.

All of the participating colleges have different enrollment requirements. All dual credit courses are held at West Noble High School.

Students enrolling in dual high school/college credit courses may be required to pay college tuition. Each college may have a different cost schedule. Many colleges offer tuition reimbursement for students participating in the free and reduced lunch/textbook program.
Transferability of college credits to other colleges/universities depends on individual colleges transfer policies. Students and/or their families are responsible for contacting their individual colleges of interest to inquire about how credits will transfer.

All academic dual credit courses will be weighted with .5 GPA points on a 4.0 scale upon successful completion of the entire course.

See Appendix A for a list of dual credit courses, enrollment requirements, cost, and college credit information offered at West Noble High School.

ATHLETIC ELIGIBILITY

All athletes must pass 6 classes on a Semester Schedule to be eligible for competition. Athletic eligibility is determined from the day report cards are issued.

EARLY GRADUATION

Upcoming juniors or seniors, who plan to graduate early, must turn in a "Request to Graduate Early" application to their counselor before the first day of the new school year. Only those students who have completed their Graduation Pathway, and have meet the GPA requirements listed below may apply to graduate early. Once the student has been approved to graduate early, counselors will adjust the student's schedule.

1. Maintain a 3.0 cumulative GPA to graduate after Semester 1 of Senior year
2. Maintain a 3.5 cumulative GPA to graduate at the end of Junior year

STUDENT SCHEDULE CHANGES

In the summer, students will be able to view their schedule on Skyward for the upcoming school year. **Schedule changes for 1st semester can be made up until one week before school starts. Students are not allowed to change 1st semester schedules after the schedule change deadline unless the school initiates the change.**

Students will be allowed to change their 2nd semester schedules up until one week before the end of the current semester. Students wishing to change their schedule should complete the schedule change request form. Counselors will be in the office two weeks after school is out in May and two weeks prior to the beginning of school in the fall.

HIGH SCHOOL DIPLOMA AND FINANCIAL AID

As an incentive to complete Core 40 with Academic Honors or Technical Honors, the State of Indiana will provide additional financial awards for those students demonstrating financial need as determined by the FAFSA (Free Application for Federal Student Aid). Seniors complete the FAFSA beginning in fall of their senior year.

EDUCATION FOR YOUR FUTURE BEGINS NOW!

The college and universities of Indiana believe that students who plan to attend their institutions in the future need a strong preparation in rigorous academic courses during high school. **Students should select rigorous and challenging classes all four years, especially their senior year. Colleges and universities will base admittance on the rigor of a student's senior year. A student's senior year is not the year to take it easy. Students need to push themselves even harder so that they are prepared for the rigor of college.** Students should remain in high school for the entire four years with no decrease in intensity of preparation during the senior year.

Students can see from Core 40 requirements, now is the time to select classes that will give them the greatest opportunity in their career and college choices. High school students need to plan to use their four years fully and wisely to build the strong academic background that will provide the six basic skills needed by all college entrants*:* reading, writing, speaking and listening, mathematics, reasoning, and studying.

Some students may say: "I'm not going to college, so why worry about college preparatory skills?" Discussions with leaders of business and industry confirm, however, that much of the learning that would take place in the above curriculum is also valuable to students going directly into the world of work. Although this learning is needed for college, it can give students a sense of self-satisfaction and accomplishment whatever their future holds. Students will want to keep all of their career options open and this kind of preparation will allow them to do this.

CAREER PLAN

Each freshman will meet with their counselor to develop a Career Plan/4 Year Plan. Students will select a career cluster or pathway, identify academic interests, select courses for the remaining years of high school to progress in that pathway, discuss training and educational options during and after high school, and identify community activities and extracurricular options to strengthen that pathway. Their counselor will help them balance their four years of high school so that they are able to take academically challenging courses as well as taking courses that will allow them to explore their career interest. Parents are encouraged to call with questions or set up an appointment to discuss their student's career plan. Career plans may be changed as interests and goals develop or alter. Each year of high school the student, his/her parent, and a school counselor need to review a student's career plan to determine if the student is progressing toward fulfillment of the career plan. All enrollment forms need to be signed by the parent after all questions have been answered to show approval of the selections.

CIVIL ASSURANCE OF EQUAL OPPORTUNITY AND NONDISCRIMINATION STATEMENTS:

West Noble School Corporation has a policy of providing equal opportunity. All courses are open to all students regardless of race, color, sex, handicapping conditions, disability, or national origin, including limited English proficiency.

Educational services, programs, instruction, and facilities will not be denied to anyone in the West Noble School Corporation as the result of his or her race, color, sex, handicapping conditions, disability, or national origin, including limited English proficiency. For further information, clarification, or complaint please contact the following persons: Title IX (sex discrimination) Coordinator, Superintendent of schools and Section 504 (handicapped) coordinator, Candice Holbrook, Superintendent's Office, Extension 5010.

The USDA and the State of Indiana are equal opportunity providers and employers.
El USDA y el Estado de Indiana son proveedores y empleadores de igualdad de oportunidades.

WEST NOBLE HIGH SCHOOL HOMEWORK HELP

LRC: Every student will have the option to take an LRC, where there are peer tutors and instructional assistants available to help with questions and homework.

1-877-ASK Rose is a homework help hotline manned by Rose Hulman engineering students and is a toll free line open 7:00 pm till 10:00 pm Sunday through Thursday, excluding college vacations.

Contact the guidance office or your homeroom teacher to arrange for tutoring.

Enrichment – Students will be assigned a grade level enrichment teacher that they will remain with for all four years. This teacher will monitor each student's progress and arrange help as needed. National Honors society students will be available to tutor students during this time.

Don't put off getting help. If you are worried about your grades or test scores, ask for help right away. Whether you are struggling with homework or tests and quizzes, ask your teacher or school counselor for specific ways to improve. Speak up if you think you are falling behind. Don't wait until it is too late.

WEST NOBLE HIGH SCHOOL DIPLOMA OPTIONS

All students must choose a Diploma Type to pursue beginning their 9th grade year. A student's diploma choice can change while in high school. The four diploma options are:

1. General Diploma
2. Core 40 Diploma
3. Academic Honors Diploma
4. Technical Honors Diploma

INDIANA
CORE 40

Course and Credit Requirements	
English/ Language Arts	**8 credits**
	Including a balance of literature, composition and speech.
Mathematics	**6 credits**
	2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II Enrolled in a Mathematics course **or** a Quantitative Reasoning (see appendix B) course each year they are in high school.
Science	**6 credits**
	2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
Social Studies	**6 credits**
	2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics 2 credits: World History/Civilization or Geography/History of the World
Directed Electives	**5 credits**
	World Languages Fine Arts Career-Technical (one must be Personal Finance)
Physical Education	**2 credits**
Health and Wellness	**1 credit**
Electives*	**6 credits** (Career Academic Sequence Recommended)
40 Total State Credits Required	

Schools may have additional local graduation requirements that apply to all students

* Specifies the number of electives required by the state. High school schedules provide time for many more electives during the high school years. All students are strongly encouraged to complete a Career Academic Sequences (selecting electives in a deliberate manner) to take full advantage of career exploration and preparation opportunities.

CORE 40 with Academic Honors *(minimum 47 credits)*

For the **Core 40 with Academic Honors** diploma, students must:

- Complete all requirements for Core 40.
- Earn 2 additional math credits
- Earn 6-8 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 fine arts credits.
- Earn a grade of a "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following:
    A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams

    B. Earn 6 transcripted college credits in dual credits from the priority course list (see Appendix A).

    C. Complete the following: a minimum of 3 transcripted college credits from the priority course list and 2 credits in AP courses and corresponding AP exams.

    D. Earn a combined score of 1250 or higher on the SAT, with a minimum math score of 560 and a minimum critical reading and writing score of 590.

    E. Earn an ACT composite score of 26 or higher and complete written section.

CORE 40 with Technical Honors *(minimum 47 credits)*

For the **Core 40 with Technical Honors** diploma, students must:

- Complete all requirements for Core 40.
- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway (https://www.doe.in.gov/cte/indiana-college-career-pathways) and one of the following:

    A. Pathway designated industry-based certification or credential, or

    B. Pathway dual credits from the lists of priority courses (https://www.doe.in.gov/sites/default/files/ccr/2017-18-course-summary-ready-post.pdf) resulting in 6 transcripted college credits

- Earn a grade of "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following,
    A. Any one of the options (A - F) of the Core 40 with Academic Honors

    B. Earn the following scores or higher on WorkKeys; Reading for Information – Level 6, Applied Mathematics – Level 6, and Locating Information-Level 5.

    C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.

Indiana General High School Diploma

If a student wants to graduate with a General Diploma, the following formal opt-out process must be completed:

- The student, the student's parent/guardian, and the student's counselor (or another staff member who assists students in course selection) meet to discuss the student's progress.
- The student's career and course plan is reviewed.
- The student's parent/guardian determines whether the student will achieve greater educational benefits by completing the general curriculum or the Core 40 curriculum.
- If the decision is made to opt-out of Core 40, the student is required to complete the course and credit requirements for a general diploma and the career/academic sequence the student will pursue is determined.

Course and Credit Requirements	
English/Language Arts	**8 credits**
	Credits must include literature, composition and speech
Mathematics	**4 credits**
	2 credits: Algebra I or Integrated Mathematics I 2 credits: any math course 2 credits: Mathematics course **or** a Quantitative Reasoning (See Appendix B) course during their junior or senior year.
Science	**4 credits**
	2 credits: Biology I 2 credits: any science course (as long as at least one credit is from a Physical Science or Earth and Space Science course)
Social Studies	**4 credits**
	2 credits: U.S. History 1 credit: U.S. Government 1 credit: any social studies course
Physical Education	**2 credits**
Health and Wellness	**1 credit**
Career Academic Sequence*	**6 credits**
Flex Credit	**5 credits (one must be Personal Finance)**

	To earn 5 Flex Credits a student must complete one of the following:
	• Additional courses to extend the career academic sequence
	• Courses involving workplace learning
	• Additional courses in:
	  ○ Language Arts
	  ○ Social Studies
	  ○ Mathematics
	  ○ Science
	  ○ World Languages
	  ○ Fine Arts

Electives**	**6 credits**
40 Total State Credits Required	

Graduation Pathways

The State Board of Education aims to create an educated and talented workforce able not just to meet the needs of business and higher education, but able to succeed in all postsecondary endeavors. To account for the rapidly changing, global economy, every K-12 student needs to be given the tools to succeed in some form of quality postsecondary education and training, including an industry recognized certificate program, an associate's degree program, or a bachelor's degree program. These recommendations seek to ensure that every Hoosier student graduates from high school with 1) a broad awareness of and engagement with individual career interests and associated career options, 2) a strong foundation of academic and technical skills, and 3) demonstrable employability skills that lead directly to meaningful opportunities for postsecondary education, training, and gainful employment.

Students must satisfy all three of the following Graduation Pathway Requirements by completing one of the associated Pathway Options.

Graduation Requirements	Graduation Pathway Options
1) **High School Diploma**	Meet the statutorily defined diploma credit and curricular requirements.
2) **Learn and Demonstrate Employability Skills**[1] (Students must complete *at least one* of the following.)	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by one the following: • **Project-Based Learning Experience**; OR • **Service-Based Learning Experience**; OR • **Work-Based Learning Experience.**[2]
3) **Postsecondary-Ready Competencies**[3] (Students must complete *at least one* of the following.)	• **Honors Diploma**: Fulfill all requirements of either the Academic or Technical Honors diploma; OR • **ACT**: College-ready benchmarks; OR • **SAT**: College-ready benchmarks; OR • **ASVAB**: Earn at least a minimum AFQT score to qualify for placement into one of the branches of the US military; OR • **State- and Industry-recognized Credential or Certification;** OR • **Federally-recognized Apprenticeship**; OR • **Career-Technical Education Concentrator**[4]**:** Must earn a C average in at least two non-duplicative advanced courses (courses beyond an introductory course) within a particular program or program of study; OR • **AP/IB/Dual Credit/Cambridge International courses**[5] **or CLEP Exams:** Must earn a C average or higher in at least three courses; OR • **Locally created pathway** that meets the framework from and earns the approval of the State Board of Education.

1) **High School Diploma**
    a. Students must earn a General Diploma, Core 40 Diploma, Academic Honors Diploma, or Technical Honors Diploma. Requirements for each diploma located on pages 5-7 of the course guide.

2) **Employability Skills**
    a. Project Based Learning allows students to gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging and complex question, problem, or challenge. The project is framed by a meaningful problem to solve or a question to answer, at the appropriate level of challenge. Students engage in a rigorous, extended process of asking questions, finding resources, and applying information. Students often make their project work public by explaining, displaying and/or presenting it to people beyond the classroom.
    b. Service Based Learning integrates meaningful service to enrich and apply academic knowledge, teach civic and personal responsibility (and other employability skills), and strengthen communities.
    c. Work Based Learning is a strategy to reinforce academic, technical, and social skills learned in the classroom through collaborative activities with employer partners. Work-based learning experiences allow students to apply classroom theories to practical problems, to explore career options, and pursue personal and professional goals.

3) **Postsecondary Competencies**
    a. **Honors Diploma**- Earn either the Academic or Technical Honors Diploma.
    b. **ACT**- Must earn college ready benchmarks in two of the four subjects: earn an 18 in English OR a 22 in Reading, AND a 22 in Math OR a 23 in Science.
    c. **SAT**- Must earn college ready benchmark of 480 in EBRW and 530 in Math.
    d. **ASVAB**- Earn a minimum score of 31
    e. **State and Industry Recognized Credentials** found on the following link: https://www.doe.in.gov/cte/inters/industry-recognized-certifications
    f. **Federally Recognized Apprenticeship-** West Noble currently does not offer this option.
    g. **Career Tech Concentrator**- Student must take courses within a certain career cluster. ***A list of courses that students may take is found in appendix C.***
    h. **AP/Dual Credit Courses-** Student must earn a grade of C or higher in 3 advanced courses. The 3 advanced courses can come from 3 Career and Technical Education credits, or 1 course from a core subject area and 2 courses from non-core or Career and Technical Education credits.
    i. **Locally Created Pathway-** West Noble currently does not offer this option.

AGRICULTURE

Advanced Life Science: Animals *(ALS ANMLS)*

2 credits **Grade(s) 11-12**

Required Prerequisite for class of 2025 and beyond: Principles of Agriculture
Recommended Prerequisites for class of 2024: Animal Science, Principles of Agriculture, Biology, ICP/Chemistry
Advanced Life Science: Animals provides students with opportunities to participate in a variety of activities including laboratory work. Students investigate concepts that enable them to understand animal life and animal science as it pertains to agriculture. Through instruction, including laboratory, fieldwork, leadership development, supervised agricultural experience and the exploration of career opportunities, they will recognize concepts associated with animal taxonomy, life at the cellular level, organ systems, genetics, evolution, and ecology, as well as historical and current issues in animal agriculture in the area of advanced life science in animals
****This course may be taken for dual credit.**

Agribusiness Management *(AG BUS MGMT)*

2 credits **Grade(s) 11-12**

Recommended Prerequisites: Principles of Agriculture
Agribusiness Management provides foundational concepts in agricultural business. It is a two trimester course that introduces students to the principles of business organization and management from a local and global perspective while incorporating technology. Concepts covered in the course include food and fiber, forms of business, finance, marketing, management, sales, leadership development, supervised agricultural experience career opportunities in the area of agribusiness management.
****This course may be taken for dual credit.**

Agriculture Power, Structure and Technology *(AG POW)*

2 credits **Grade(s) 10-12**

Required Prerequisite for class of 2025 and beyond: Principles of Agriculture
Recommended Prerequisite for class of 2024: Principles of Agriculture
Agriculture Power, Structure and Technology is a two semester, lab intensive course in which students develop an understanding of 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.

Animal Science *(ANML SCI)*

2 credits **Grade(s) 10-12**

Required Prerequisite for class of 2025 and beyond: Principles of Agriculture
Recommended Prerequisite for class of 2024: Principles of Agriculture
Animal Science is a two trimester program that provides students with an overview of the field of animal science. Students participate in a large variety of activities and laboratory work including real and simulated animal science experiences and projects. All areas that the students study can be applied to both large and small animals. Topics to be addressed include: anatomy and physiology, genetics, reproduction, nutrition, common diseases and parasites, social and political issues related to the industry and management practices for the care and maintenance of animals while incorporating leadership development, supervised agricultural experience and learning about career opportunities in the area of animal science.
****This course may be taken for dual credit.**

Food Science *(FOOD SCI)*

2 credits **Grade(s) 10-12**

Required Prerequisite for class of 2025 and beyond: Principles of Agriculture
Recommended Prerequisite for class of 2024: Principles of Agriculture
Food Science is a two trimester course that provides students with an overview of food science and its importance. Introduction to principles of food processing, food chemistry and physics, nutrition, food microbiology, preservation, packaging and labeling, food commodities, food regulations, issues and careers in the food science industry help students understand the role that food science plays in securing a safe, nutritious and adequate food supply. A project-based approach is utilized along with laboratory, team building and problem solving activities to enhance student learning, leadership development, supervised agricultural experience and career opportunities in the area of food science.
****This course may be taken for dual credit.**

Horticulture Science, "Plants, Landscape, Floral Design" *(HORT SCI)*

2 credits **Grade(s) 10-12**

Required Prerequisite for class of 2025 and beyond: Principles of Agriculture
Recommended Prerequisite for class of 2024: Principles of Agriculture
Horticulture Science is designed to give students a background in the field of horticulture and its many career opportunities. It addresses the biology and technology involved in the production, processing and marketing of plants and its products. Topics covered include: reproduction and propagation of plants, plant growth, growth media, management practices for field and greenhouse production, marketing concepts, production of plants of local interest and pest management. Students participate in a variety of activities to include extensive laboratory work usually in a school greenhouse, leadership development, supervised agricultural experience and learning about career opportunities in the area of horticulture science.
****This course may be taken for dual credit.**

Landscape and Turf Management *(LAND TUR MAN)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Principles of Agriculture

Landscape and Turf Management is a two-semester course that provides the student with an overview of the many career opportunities in the diverse field of landscape and turf management. Students are introduced to the procedures used in the planning and design of a landscape using current technology practices, the principles and procedures involved with landscape construction, the determination of maintenance schedules, communications, and management skills necessary in landscaping operations, and the care and use of equipment utilized by landscapers. Upon completion of the program, students have the opportunity to become Indiana Landscape Industry Certified through a state approved program.

****This course may be taken for dual credit.**

Principles of Agriculture *(PRIN AG)*

2 credits **Grade(s) 9-12**

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 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.

Supervised Agricultural Experience *(SAE)*

1-8 credits **Grade(s) 10-12**

Required Prerequisite: If you'd like to participate in FFA, you will need to enroll in at least one agriculture class per year.

Recommended Prerequisite: Principles of Agriculture

Supervised Agricultural Experience (SAE) is designed to provide students with opportunities to gain experience in the agriculture field(s) in which they are interested. Students should experience and apply what is learned in the classroom, laboratory and training site to real-life situations. Students work closely with their agricultural science and business teacher(s), parents and/or employers to get the most out of their SAE program. This course can be offered each year as well as during the summer session. SAE may be offered as a Cooperative Education Program. Curriculum content and competencies should be varied so that school year and summer session experiences are not duplicated.

- Credits: A maximum of eight credits may be earned in this course when offered as a "non-co-op," one hour course over eight trimesters, some of which can be earned during summer sessions.

FINE ARTS

The first Art class a student must take is Introduction to 2D Art.

Intro to Two-Dimensional Art *(2D ART)*

1 credit **Grade(s) 9-12**

****This course is a recommended prerequisite for all other art courses.**
Students taking Introduction to Two-Dimensional Art engage in sequential learning experiences that encompass art history, art criticism, and production. This course examines the basic elements and principles of design that lead to the creation of portfolio quality work. A variety of art media will be explored. Sketchbooks are required for the course.

Intro to Three Dimensional Art *(3D ART)*

1 credit **Grade(s) 9-12**

Recommended Prerequisite: Introduction to Two-Dimensional Art
This course provides an opportunity for students to work with a variety of media in the development of 3 dimensional forms. Starting with basic design principles, students will begin with a series of projects that incorporate design on a simple level and proceed to applying these principles to work with more complex media. Media projects will include, but are not limited to, work with wire, wood, plaster, and ceramics.

Ceramics I *(CERAMICS I)*

1 credit **Grade(s) 9-12**

Recommended Prerequisite: Introduction to Two-Dimensional Art
This course offers students the opportunity to explore various clay building techniques to create functional and nonfunctional ceramics. Techniques of hand building, molds, wheel throwing, glazes, and firing processes will be the main focus of the class.

Drawing I *(DRAWING I)*

1 credit **Grade(s) 9-12**

Recommended Prerequisite: Introduction to Two-Dimensional Art
Drawing I examines various processes of sketching, figure drawing, rendering, contour, and gesture drawing, perspective, and still-life. Students will also experiment with a multitude of drawing media as well as drawing surfaces. Students will be expected to have a sketchbook and a portfolio as a requirement for this course.

Painting I *(PAINTING I)*

1 credit **Grade(s) 9-12**

Recommended Prerequisite: Introduction to Two-Dimensional Art
Painting I examines basic watercolor, acrylic, and oil painting techniques. Students will learn various painting styles from Realism to Abstraction and incorporate these styles in their own artwork. Students will also develop skills in building and stretching canvas. Sketchbooks are required for this course.

Printmaking I *(PRNTMKNG)*

1 credit **Grade(s) 9-12**

Recommended Prerequisite: Introduction to Two-Dimensional Art

Printmaking teaches fundamental methods traditionally used by artists to produce multiple copies, or prints of their work. Students will learn printing techniques such as wood-cut, silk screen, embossment, etching, and monoprint. Design concepts learned through previous courses will be utilized in the development of compositions. Included with design, emphasis will be on color and aesthetic value. Printmaking presents an enjoyable challenge and is a rewarding course for students who are interested in using their drawing and design skills in a new medium.

Photography *(PHOTOGRPH)*

1 credit **Grade(s) 10-12**

Photography is a course based on the Indiana Academic Standards for Visual Art. Students in photography engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works, creating photographs, films, and videos utilizing a variety of digital tools and darkroom 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

Theater Arts *(THTR ARTS)*

Unlimited credits Grade(s) 9-12

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 96 Indiana Department of Education 2021-2022 High School Course Titles and Descriptions 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 Theater Arts *(ADV THTR)*

Unlimited credits Grade(s) 10-12

Recommended Prerequisite: Theater Arts

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 96 Indiana Department of Education 2021-2022 High School Course Titles and Descriptions 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.

Dance Choreography *(DANCE CHR)*

Unlimited credits Grade(s) 9-12

Dance Choreography is based on the Indiana Academic Standards for Dance. Learning activities in choreography are sequential and systematic and allow students to exhibit self- expression. A wide variety of materials and experiences are used in order to provide students with the knowledge, skills, and appreciation of the multi-styled and multicultural dance expressions. Choreographic activities provide students opportunities to participate in roles as a soloist, a choreographer or leader, and in a subject role. Students also explore a wide variety of choreographic philosophies as well as administrative and media skills necessary for the promotion and documentation of works to be performed. Students experience and learn to use appropriate terminology to describe, analyze, interpret, and critique dance compositions by professional individuals or companies.

Dance Performance *(DNC PERF)*

Unlimited credits Grade(s) 9-12

Dance Performance is based on the Indiana Academic Standards for Dance. Sequential and systematic learning experiences are provided in the specific genre offered, whether it is Ballet, Modern, Jazz, or Ethnic-Folk. Activities utilize a wide variety of materials and experiences and are designed to develop techniques appropriate within the genre, including individual and group instruction in performance repertoire and skills. Students develop the ability to express their thoughts, perceptions, feelings, and images through movement. The performance class provides opportunities for students to experience degrees of physical prowess, technique, flexibility, and the study of dance performance as an artistic discipline and as a form of artistic communication. Students describe, analyze, interpret, and judge live and recorded dance performances of professional dancers and companies in the genre. They also become aware of the career opportunities in dance.

BUSINESS

Accounting Fundamentals *(ACCT FUND)*

2 credits **Grade(s) 10-12**

Required Prerequisite for class of 2025 and beyond: Principles of Business Management
Recommended Prerequisite for class of 2024: Principles of Business Management
Accounting is a business course that introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. This course involves understanding, analyzing, and recording business transactions. It also focuses on preparing, analyzing, and interpreting financial reports as a basis for owner's to make decisions about their company.

Business Law & Ethics *(BUS LAW ETH)*

2 credits **Grade(s) 11-12**

Business Law and Ethics provides an overview of the legal system in the business setting. Students will learn why we have laws and where they come from. Students will understand the legal system better and complete a mock trial. Topics covered will assist students in laws over contract, employment and property laws to help protect them in their personal life and employment life, e.g writing wills, car insurance, employment contracts, and much more. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods and situation analyses.

Business Math *(BUS MATH)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Successful completion of Algebra I
Is a business course designed to prepare students for roles as entrepreneurs, producers, and business leaders by developing abilities and skills that are part of any business environment. A solid understanding of math including algebra, basic geometry, statistics and probability provides the necessary foundation for students interested in careers in business and skilled trade areas. The content includes mathematical operations related to accounting, banking and finance, marketing, and management. Instructional strategies should include simulations, guest speakers, tours, Internet research, and business experiences.

Management Fundamentals *(MGMT FUND)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Principles of Business Management
New Venture Development is targeted to students interested in creating and growing their own businesses. The course will focus on key marketing strategies particularly relevant for new ventures. Students will apply marketing concepts to entrepreneurial company challenges, which include creating and nurturing relationships with new customers, suppliers, distributors, employees and investors; and understand the special challenges and opportunities involved in developing marketing strategies "from the ground up.

New Venture Development *(NEW VENT)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Principles of Entrepreneurship

New Venture Development is targeted to students interested in creating and growing their own businesses. The course will focus on key marketing strategies particularly relevant for new ventures. Students will apply marketing concepts to entrepreneurial company challenges, which include creating and nurturing relationships with new customers, suppliers, distributors, employees and investors; and understand the special challenges and opportunities involved in developing marketing strategies "from the ground up.

Personal Financial Responsibility *(PRS FIN RSP)*

1 credit **Grade(s) 11-12**

Personal Financial Responsibility is a course that helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals; identify sources of income, saving and investing; understand banking, budgeting, record-keeping and managing risk, insurance and credit card debt. Students will create a portfolio that provides evidence of their knowledge and application of skills learned throughout the course.

Preparing for College and Careers *(PREP CC)*

1 credit **Grade 9**

Preparing for College and Careers address the knowledge, skills, and behaviors all students need to be prepared for success in college, careers, and life. Students will explore self, careers, college or post – secondary options, making decisions and a plan, personal skills, and employability skills.

Principles of Entrepreneurship *(PRIN ENTR)*

2 credits **Grade(s) 9-12**

Principles of Entrepreneurship focuses on students learning about their own strengths, character and skills and how their unique abilities can apply to entrepreneurship, as well as how an entrepreneurial mindset can serve them regardless of their career path. Students will learn about the local, regional and state resources and will begin to understand and apply the entrepreneurial process. The course helps students to identify and evaluate business ideas while learning the steps and competencies required to launch a successful new venture. The course helps students apply what they have learned from the content when they write a Personal Vision Statement, a Business Concept Statement, and an Elevator Pitch.

Principles of Business Management *(PRIN BUS)*

2 credits **Grade(s) 9-12**

Principles of Business Management focuses on the roles and responsibilities of managers as well as opportunities and challenges of ethically managing a business in the free-enterprise system. Students will attain an understanding of management, team building, leadership, problem-solving steps and processes that contribute to the achievement of organizational goals. The management of human and financial resources is emphasized.

Small Business Operations *(SM BUS OPR)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Principles of Entrepreneurship and New Venture Development

Small Business Operations will help students identify and evaluate the various sources available for funding a new enterprise; demonstrate an understanding of financial terminology; read, prepare, and analyze basic financial statements; estimating capital requirements and risk, exit strategies; and prepare a budget for their business, including taxes and personnel costs. In addition, the student should be able to explain the importance of working capital and cash management. The student should also be able to identify financing needs, and prepare sales forecasts.

Web Design *(WEB DESIGN)*

1 credit **Grade(s) 11-12**

Web Design is a course that provides instruction in the principles of web design using HTML/XHTML and CSS. Areas of instruction include audience analysis, hierarchy layout and design techniques, software integration, and publishing. Instructional strategies should include peer teaching, collaborative instruction, project-based learning activities and school community projects.

Family and Consumer Science

Adult Roles and Responsibilities *(ADULT ROLES)*

1 credit **Grade(s) 9-12**

Adult Roles and Responsibilities is recommended for all students as life foundations and academic enrichment, and as a career sequence course for students with interest in family and community services, personal and family finance, and similar areas. This course builds knowledge, skills, attitudes, and behaviors that students will need as they complete high school and prepare to take the next steps toward adulthood in today's society. The course includes the study of interpersonal standards, lifespan roles and responsibilities, individual and family resource management, and financial responsibility and resources. 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 adult roles and responsibilities. Direct, concrete mathematics and language arts proficiencies will be applied. Service learning and other authentic applications are 289 Indiana Department of Education 2021-2022 High School Course Titles and Descriptions strongly recommended. This course provides the foundation for continuing and post-secondary education in all career areas related to individual and family life.

Advanced Nutrition *(ADV NTRN WEL)*

1 credit **Grade(s) 10-12**

Required Prerequisite: Nutrition & Wellness

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 required 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 post-secondary education in all careers.

Child and Adolescent Development *(CHLD ADL DEV)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Principles of Teaching

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.

Consumer Economics *(CONS ECON)*

1 credit **Grade(s) 9-12**

A project-based course which focuses on interrelationships among economic principles and individual, families, and community. Specific areas studied are food, clothing, home care, money management and consumer technology. Opportunities for product research concerning consumer decisions are given.

Introduction to Housing and Interior Design *(INT HSINT DES)*

1 credit **Grade(s) 9-12**

Housing and Interior Design Foundations is an introductory course essential for those students interested in academic enrichment or a career within the housing, interior design, or furnishings industry. This course addresses the selection and planning of designed spaces to meet the needs, wants, values and lifestyles of individuals, families, clients, and communities. Housing decisions, resources and options will be explored including factors affecting housing choices and the types of housing available. Developmental influences on housing and interior environments will also be considered. Basic historical architectural styling and basic furniture styles will be explored as well as basic identification of the elements and principles of design. Design and space planning involves evaluating floor plans and reading construction documents while learning to create safe, functional, and aesthetic spaces. Presentation techniques will be practiced to thoroughly communicate design ideas. Visual arts concepts will be addressed. Direct, concrete mathematics proficiencies will be applied. A project based approach will be utilized requiring higher-order thinking, communication, leadership and management processes as housing and interior design content is integrated into the design of interior spaces while meeting specific project criteria. This course provides the foundation for further study and careers in the architecture, construction, housing, interior design, and furnishings industries.

Nutrition and Wellness *(NTRN WLNS)*

1 credit **Grade(s) 9-12**

Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers related to nutrition, food, and wellness. This is a nutrition class that introduces students to only the basics of food preparation so they can become self-sufficient in accessing healthy and nutritious foods. Major course topics include nutrition principles and applications; influences on nutrition and wellness; food preparation, safety, and sanitation; and science, technology, and careers in nutrition and wellness. 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 nutrition, food, and wellness. Food preparation experiences are a required component. Direct, concrete mathematics and language arts proficiencies will be applied. This course is the first in a sequence of courses that provide a foundation for continuing and post-secondary education in all career areas related to nutrition, food, and wellness

Principles of Human Services *(PRIN HUM SRV)*

2 credits **Grade(s) 9-12**

Principles of Human Services explores the history of human services, career opportunities, and the role of the human service worker. Focuses on target populations and community agencies designed to meet the needs of various populations. The course includes a required job shadowing project in a Human Services setting (a suggested four-hour minimum to meet Ivy Tech requirements). This course will also encourage cultural awareness and appreciation of diversity. Focuses on cultural variations in attitudes, values, language, gestures, and customs. Includes information about major racial and ethnic groups in the United States.

Principles of Teaching *(PRIN TEACH)*

2 credits **Grade(s) 9-12**

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.

Relationships and Emotions (*REL EMO)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Principles of Human Services

Relationship & Emotions examines the key elements of healthy relationships. Explores the main problems that damage relationships. Presents research findings on successful and unsuccessful relationships, and emotional connections. Explores the impact of one's emotional and relationship history on current and future romantic relationships. Presents practical, scientific-based skills for improving relationships. Additionally, this course offers practical and useful information for people who have experienced loss. Students have the opportunity to evaluate their own experiences and attitudes toward loss and grief.

Teaching and Learning *(TEACH LRN)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Principles of Teaching

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.

Understanding Diversity (*UND DIV)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Principles of Human Services

Understanding Diversity encourages cultural awareness and appreciation of diversity. Focuses on cultural variations in attitudes, values, language, gestures, and customs. Includes information about major racial and ethnic groups in the United States.

HEALTH AND PHYSICAL EDUCATION

Health and Wellness Education *(HLTH & WELL)*

1 credit **Grade 9**

Health is a required semester course for all freshman students. 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 in a planned, sequential, comprehensive health education as expressed in the Indiana Health Education Standards Guide.

Physical Education (I & II) *(PHYS ED I AND PHYS ED II)*

2 credits **Grade 9**

Physical Education continues the emphasis on health-related fitness and developing the skills necessary for a lifetime of activity. This program includes skill development and the application of rules and strategies of complex difficulty in (1) health-related fitness activities, (2) aerobic exercise, (3) team sports, (4) individual and dual sports, (5) gymnastics, (6) outdoor pursuits, (7) self-defense, (8) dance, and (9) recreational games. Ongoing assessment includes both written and performance-based skill evaluations. Adaptations will be provided for students with disabilities.

Elective Physical Education *(ELECT PE)*

8 credits max **Grade(s) 10-12**

Required Prerequisite: Successful completion of Physical Education I and Physical Education II

Elective Physical Education provides an opportunity for 10-11-12 grade students to improve their muscular strength and wellness through a guided weight-training program, team sports, and fitness based study. Students will typically weight train three times a week and participate in a team sport the other two. Weekly homework assignments include: study of the muscular system, nutrition, and various training techniques. Plyometrics, running, and the use of medicine balls are also part of this course.

The second year of this course has a prerequisite of a 'B' Average or instructor's approval. This coed course is similar to Elective PE I, but allows the students freedom to build their own weight training program. The knowledge obtained in Elective PE I enables the student to design their own fitness program to meet their personal needs. Team sports and fitness based study are also part of this course.

Elective Physical Education: Strength and Agility *(STRENGTH)*

8 credits max **Grade(s) 10-12**

Required Prerequisite: Successful completion of Physical Education I and Physical Education II

Applied Elective Physical Education, a course based on selected standards from Indiana's Academic Standards for Physical Education, identifies what a student should know and be able to do as a result of a quality physical education program. The goal of a physically educated student is to maintain appropriate levels of cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life. Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in one or more specific areas. This course includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. With staff support, students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness and includes self-monitoring. Ongoing assessment may include individual progress and/or performance-based skill evaluation

Officiating 101 *(OFF 101)*

8 credits max **Grades 10-12**

Required Prerequisite: Successful completion of Physical Education I and Physical Education II

Officiating 101 provides students the opportunity to officiate intramural and Unified Sports contests within school programming and local communities. Students will be trained to officiate the following sports at the middle school level: Football, Soccer, Volleyball, Basketball, Wrestling, Baseball, Softball, and Flag Football. Sport content will be delivered in advance of the IHSAA sport season. This course will familiarize students with NFHS rulebooks, and will develop transferrable skills for students, such as communication, collaboration, conflict resolution, leadership, and responsibility.

LANGUAGE ARTS

Advanced Composition *(ADV COMP)*

1 credit **Grade 12**

Advanced Composition, a course based on Indiana's Academic Standards for English/Language Arts and the Common Core State Standards for English/Language Arts, is a study and application of the rhetorical (effective) writing strategies of exposition and persuasion. Students write expository critiques of nonfiction selections, literary criticism of fiction selections, persuasive compositions, and research reports. ADVANCED COMPOSITION PROJECT: Students write job applications, resumes, and other informational documents that may include the development of flyers, posters, brochures, program agendas, or reports incorporating visual information in the form of pictures, graphs, or tables.

American Literature and Composition *(AMER LIT) (COMP)*

2 credits **Grade 11**

American Literature & Composition, a course based on Indiana's Academic Standards for English/Language Arts and the Common Core State Standards for English/Language Arts, is a study of representative works and authors of the United States from pre-Revolutionary times to the present. Students read, analyze, evaluate, critique, and actively respond to a wide variety of literary genres that reflect American culture, including quality works of various ethnic and cultural minorities. Students compare readings and media from literature, history, and other subjects by demonstrating how the ideas and concepts presented in the works are interconnected, distinctly American, and important to an understanding of the development of the current culture. Encompasses a study and application of the rhetorical (effective) writing strategies of narration, description, exposition, and persuasion. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. Students read classic and contemporary literature or nonfiction/informational texts and use appropriate works as models for writing. Students write a variety of types of compositions with a focus on definitive narratives, argumentative and reflective compositions, analytic essays, and responses to literature.

Creative Writing *(CREATE WRIT)*

1 credit **Grade(s) 11-12**

This class may replace a failed credit from English 9, English 10, or American Literature/Comp.

Creative Writing, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies for prose and poetry. Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

College Composition: Trine University ENG 143 *(COMP/TRIN143)*

2 credits **Grade(s) 11-12**

Required Prerequisite: GPA of 3.0 or higher

This course involves intensive training in methods of exposition and research leading to the ability to write coherent, clear, and persuasive essays. This course focuses on the process of writing, which includes revision and editing of the equivalent of at least 20 pages of prose (approximately 5,000 words). Upon completion of the class, the student should be able to analyze and employ the rhetorical and stylistic features of writing for academic and non-academic audiences, successfully engage in the research process including finding, synthesizing, and citing sources, and produce rhetorically persuasive texts both multimodal and written.

English 9 Honors *(ENG 9 H)*

2 credits **Grade 9**

Required Prerequisite: Teacher recommendation or High Ability identification

English 9, an integrated English course based on Indiana's College and Career Readiness Standards for English/Language Arts, is a study of language, literature, composition, and oral communication with a focus on exploring a wide-variety of genres and their elements. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate for Grade 9 in classic and contemporary literature balanced with nonfiction. Students write short stories, responses to literature, expository and persuasive compositions, research reports, business letters, and technical documents. Students deliver grade-appropriate oral presentations and access, analyze, and evaluate online information. Students who have committed themselves to the academic challenge, creative inspiration, and personal growth that the honors program at West Noble High School offers will explore a variety of genres of literature through writing and analysis. This is a weighted course.

English 9 *(ENG 9)*

2 credits **Grade 9**

English 9, an integrated English course based on Indiana's College and Career Readiness Standards for English/Language Arts, is a study of language, literature, composition, and oral communication with a focus on exploring a wide-variety of genres and their elements. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate for Grade 9 in classic and contemporary literature balanced with nonfiction. Students write short stories, responses to literature, expository and persuasive compositions, research reports, business letters, and technical documents. Students deliver grade-appropriate oral presentations and access, analyze, and evaluate online information. With a focus on research and narrative writing, students will explore a variety of genres of literature that focus on the theme-"identity".

English 10 Honors *(ENG 10 H)*

2 credits **Grade 10**

Required Prerequisite: Teacher recommendation or High Ability identification

English 10 Honors is a curriculum that focuses on the integration of American literature and the history behind it. Students will follow the history of America by analyzing and interpreting pieces of fiction and nonfiction appropriate to each major time period. Student products will include, but are not limited to the following: synthesis, argument, literary analysis, research presentations, and preparation for ISTEP. This is a weighted class.

English 10 *(ENG 10)*

2 credits **Grade 10**

English 10, an integrated English course based on Indiana's Academic Standards for English/Language Arts in Grade 10 and the Common Core State Standards for English/Language Arts, is a study of language, literature, composition, and oral communication with a focus on exploring universal themes across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate for Grade 10 in classic and contemporary literature balanced with nonfiction. Students write short stories, responses to literature, expository and persuasive compositions, research reports, business letters, and technical documents. Students deliver grade-appropriate oral presentations and access, analyze, and evaluate online information.

A variety of world literature and focused writing pieces connects the students to the theme-"My Society; My Responsibility". Students will examine society's impact on their lives and their impact on society.

English Literature *(ENG LIT)*

1 credit **Grade 12**

English literature is a course based upon Common Core Standards and PARRC assessment directives for Language Arts that studies representative works from Great Britain and other English speaking cultures. Students analyze how ideas and concepts of Neoclassicism and Romanticism presented in the works both interconnect and are distinctly reflective of the cultures in which they were written and those where the works are read.

English as a New Language *(ENL)*

8 credits max **Grade(s) 9-12**

English as a New Language offers a beginning through advanced EL class to learn functional English. Students are placed by the Program Director based on the student's present level. All 8 credits in EL can count toward graduation credits in language arts for a High School Diploma. These students will concurrently be enrolled in grade level English course.

Film Literature *(FILM LIT)*

1 credit **Grade 12**

This class may replace the English Literature credit for students on the General Diploma or students who are not college bound.

Film Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of how literature is adapted for film or media and includes role playing as film directors for selected screen scenes. Students read about the history of film, the reflection or influence of film on the culture, and issues of interpretation, production and adaptation. Students examine the visual interpretation of literary techniques and auditory language in film and the limitations or special capacities of film versus 176 Indiana Department of Education High School Course Titles and Descriptions text to present a literary work. Students analyze how films portray the human condition and the roles of men and women and the various ethnic or cultural minorities in the past and present. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within curriculum.

Genres of Literature: Nonfiction *(GENRES LIT)*

1 credit **Grade(s) 11-12**

This class may replace a failed credit from English 9, English 10, or American Literature/Comp.
Short Stories, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the distinct features of the short story, such as being tightly focused narrative fiction. The course may be organized by historical periods, themes, or authors. Students examine short stories with modernist and contemporary themes by a variety of authors from the perspective of audience, purpose, and historical development. Students analyze what distinguishes the short story genre from other literary genres, such as the novels, epics, romances, biographies, etc. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within curriculum.

SAT Prep *(COLL ENT PREP)*

1 credit **Grade(s) 11-12**

This course strives to prepare students to successfully take the SAT, as well as other college entrance exams. Students will heavily study grammar, vocabulary, reading strategies, essay techniques, and time management skills through various activities and practice tests. This course is open to any junior or senior student.

Short Stories *(SHORT STRS)*

1 credit **Grade(s) 11-12**

This class may replace a failed credit from English 9, English 10, or American Literature/Comp.
Short Stories, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the distinct features of the short story, such as being tightly focused narrative fiction. The course may be organized by historical periods, themes, or authors. Students examine short stories with modernist and contemporary themes by a variety of authors from the perspective of audience, purpose, and historical development. Students analyze what distinguishes the short story genre from other literary genres, such as the novels, epics, romances, biographies, etc. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within curriculum.

Technical Communications *(TECH COMM)*

1 credit **Grade 12**

This class may replace the Advanced Composition credit for students on the General Diploma or students who are not college bound.
Technical Communication, a course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the processes and conventions needed for effective technical writing communication. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

Trine University ENG 153: Introduction to Literature *(LIT/TRIN153)*

1 credit **Grade(s) 11-12**

Required Prerequisite: GPA of 3.0 or higher

Introduces the student to literature of some complexity and sophistication, developing a critical vocabulary and skills in reading on an advanced level. Analysis of genre: short fiction, poetry, and drama. See appendix A for course requirements.

Trine University SP 203: Effective Speaking *(SPEECH/TRIN203)*

1 credit **Grade 12**

Required Prerequisite: GPA of 3.0 or higher

Effective Speaking involves the application of communication principles to improve extemporaneous public speaking and listening skills. Considers principles of audience analysis and rhetorical invention, worthy and effective evidence and inductive reasoning, speaker and source credibility, organization and outlining, effective speaker/audience interaction, listening for comprehension, and critical listening. See appendix A for course requirements.

MATHEMATICS

Algebra I *(ALG I)*

2 credits **Grade 9**

Algebra I provides a formal development of the algebraic skills and concepts necessary for students who will take other advanced college-preparatory courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include: (1) properties of real numbers, (2) solution sets, (3) basic operations with polynomials, (4) solving quadratic equations and systems, (5) use of exponents, and (6) introductory topics from statistics and probability. Students will progress through 4 modules. A mastery level of 75% must be achieved on each module in order to advance to the next level.

Algebra I Honors *(ALG I H)*

2 credits **Grade 9**

Required Prerequisite: Teacher recommendation or High Ability identification

Algebra I H provides a formal development of the algebraic skills and concepts necessary for students who will take other advanced college-preparatory courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include: (1) properties of real numbers, (2) solution sets, (3) basic operations with polynomials, (4) solving quadratic equations and systems, (5) use of exponents, and (6) introductory topics from statistics and probability. Students are selected for this class. This class will be weighted.

Algebra II *(ALG II)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Completion of Algebra I and Geometry

Algebra II is a course that expands on the topics of Algebra I and provides further development of the concept of a function. The expanded topics of the course include: (1) complex numbers and expressions, (2) functions, (3) systems of equations, (4) quadratic equations and functions, (5) exponential and logarithmic equations and functions, (6) polynomial, rational, and other equations and functions, and (7) data analysis, statistics, and probability.

Algebra II Honors *(ALG II H)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Teacher recommendation or High Ability identification, completion of Algebra I and Geometry

Algebra II is a course that expands on the topics of Algebra I and provides further development of the concept of a function. The expanded topics of the course include: (1) complex numbers and expressions, (2) functions, (3) systems of equations, (4) quadratic equations and functions, (5) exponential and logarithmic equations and functions, (6) polynomial, rational, and other equations and functions, and (7) data analysis, statistics, and probability. This course will allow students to earn 3 credits from Ivy Tech. This course is recommended for math and science majors. This class will be weighted. See Appendix A for course requirements.

Calculus, PFW Analytic Geometry and Calculus I, MA 16500 (CALC/PFW 165)

2 credits **Grade 12**

Required Prerequisite: Pre-Calculus/Trigonometry, grades in previous math courses "B" or higher

Calculus is primarily concerned with developing the student's understanding of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to Calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Topics include: (1) limits, (2) continuity, (3) derivatives, (4) definite integrals, and (5) techniques of integration involving rational, trigonometric, logarithmic, and exponential functions. This course also includes applications of the derivative, the integral, and theory of Calculus. The use of graphing technology is required. This class will be weighted. Students will receive two credits in Calculus, and one credit in a mandatory Calculus lab.

Geometry I *(GEOM)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Successful completion of Algebra I

Geometry provides students with experiences that deepen the understanding of shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric figures include the study of (1) angles, (2) lines, (3) planes, (4) congruent and similar triangles, (5) trigonometric ratios, (6) polygons, and (7) circles and spatial drawings. An understanding of proof and logic is developed. AHD Course

Geometry Honors *(GEOM H)*

2 credits **Grade(s) 9-10**

Required Prerequisite: Successful completion of Algebra I, teacher recommendation or High Ability identification

Geometry I H provides students with experiences that deepen the understanding of shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric figures include the study of (1) angles, (2) lines, (3) planes, (4) congruent and similar triangles, (5) trigonometric ratios, (6) polygons, and (7) circles and spatial drawings. An understanding of proof and logic is developed. This class will be weighted.

Practical Quantitative Reasoning *(QUANT REAS)*

2 credits **Grade(s) 11-12**

Required Prerequisite: Algebra II

Probability and Statistics includes the concepts and skills needed to apply statistical techniques in the decision making process. Probability and Statistics are made up of three strands: Data Analysis, Experimental Design, and Probability. Practical examples based on real experimental data are used throughout. Students plan and conduct experiments or surveys and analyze the resulting data. The use of graphing calculators and computer programs is integrated throughout the course. Counts as a Mathematics Course for all diploma

Practical Quantitative Reasoning, MA 140 (*QR CC/PFW)*

2 credits **Grade(s) 11-12**

Required Prerequisite: Algebra II, grades in previous math courses "B" or higher

Probability and Statistics includes the concepts and skills needed to apply statistical techniques in the decision making process. Probability and Statistics are made up of three strands: Data Analysis, Experimental Design, and Probability. Practical examples based on real experimental data are used throughout. Students plan and conduct experiments or surveys and analyze the resulting data. The use of graphing calculators and computer programs is integrated throughout the course. Counts as a Mathematics Course for all diploma

Pre-Calculus/Trigonometry MA 136/137 *(PRECAL-IVY 136/TRIG-IVY 137)*

2 credits **Grade(s) 11-12**

Required Prerequisite: Algebra II, successful completion of Knowledge Assessment test

Pre-Calculus Honors blends together all of the prerequisite concepts and skills necessary for AP Calculus. The concepts covered in the class include: graphical representations of functions, algebraic representations of functions, systems of equations, matrices, sequences and series. Trigonometry topics will include Inverse trig functions and identities, vectors, the Law of Sines and the Law of Cosines, applications of the trig functions, and polar coordinates are also included in the course. The class also allows for an introduction to Calculus topics including limits and slope of a tangent line. This class will be weighted. **If students chose to not take this class for college credit through Ivy Tech, they will still receive a .5 weight on their GPA and be enrolled in the college level class (PRECAL H/CL).**

Pre-calculus/Trigonometry *(PRECAL/TRIG)*

2 credits **Grade(s) 11-12**

Required Prerequisite: Successful Completion of Algebra II

Pre-Calculus/Trigonometry is a two-credit course that combines the material from Trigonometry and Pre-Calculus into one course. The foundations of algebra and functions developed in previous courses will be extended to new functions, including exponential and logarithmic functions, and to higher-level sequences and series. The course provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Students will also advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates. The course is designed for students who expect math to be a major component of their future college and career experiences, and as such it is designed to provide students with strong foundations for calculus and other higher-level math courses.

Probability: Game Theory *(PROB/STAT)*

1 credit **Grade 9**

Popularized by movies such as "A Beautiful Mind," game theory is the mathematical modeling of strategic interaction among rational (and irrational) agents. Beyond what we call `games' in common language, such as chess, poker, soccer, etc., it includes the modeling of conflict among nations, political campaigns, competition among firms, and trading behavior in markets such as the NYSE. How could you begin to model keyword auctions, and peer to peer file-sharing networks, without accounting for the incentives of the people using them? The course will provide the basics: representing games and strategies. We'll include a variety of examples including classic games and a few applications.

MULTI-DISCIPLINARY

Peer Tutoring *(PEER TUTOR)*

2 credits max Grade(s) 9-12

Peer Tutoring provides high school students with an organized exploratory experience to assist students in kindergarten through grade twelve (K-12), through a helping relationship, with their studies and personal growth and development. The course provides opportunities for the students taking the course to develop a basic understanding of individual differences and to explore career options in related fields. Peer Tutoring experiences are preplanned by the teacher trainer and any cooperating teacher under whom the tutoring is to be provided. It must be conducted under the supervision of a licensed teacher. The course provides a balance of class work relating to the development of and use of: (1) listening skills, (2) communication skills, (3) facilitation skills, (4) decision-making skills, and (5) teaching strategies.

Work Based Learning Capstone *(WBL CAP)*

6 credits max Grade(s) 11-12

Work Based Learning Capstone is a culminating course in a student's logical sequence of courses for a chosen career pathway. In this course, students have the opportunity to apply the concepts, skills, and dispositions learned in previous coursework in their pathways in real world business and industry settings. *Therefore, at least two courses in a student's pathway would be prerequisite to the student enrolling in the stand-alone WBL courses*. Instruction may be differentiated by using different models depending on a student's pathway and career objectives. Possible models include: Apprenticeship, Internship, School Based Enterprise or Service Learning Based. Fifty (50) hours of work based learning are required for every credit hour earned (I.E. – 1 credit = 50 hours, 2 credits = 100 hours).

MUSIC

Applied Music I *(APPL MUS)*

6 credits max Grade(s) 9-12

Applied Music offers high school students the opportunity to receive small group or private instruction designed to develop performance skills. The class time will be used for practice, study and completion of course requirements. The student is required to own the instrument to be studied and to purchase lesson books and/or theory books. In addition to learning to play an instrument, the student will learn music theory, history, and literature. Credits earned in this performing group apply to fine arts requirements for regular and honors diplomas.

Band *(BAND)*

Unlimited credits Grade(s) 9-12

A full year course is open to any student currently playing or desiring to play a musical instrument. The band curriculum includes various aspects of band performance with emphasis on concert band literature and pep band music with opportunities for solo/ensemble performances. Band class meets daily, and as a performing group requires additional time outside of the regular school day for performances at various times during the school year. Beginning students must talk to the band director. The band takes pride in performing for community events and school events. Students will develop tone production, technical skills, intonation, music reading skills, listening skills, and sight-reading. Credits earned in this performing group apply to fine arts requirements for regular and honors diplomas.

Intermediate Chorus *(INT CHOR)*

Unlimited credits Grade(s) 9-12

Students taking Intermediate 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. Credits earned in this performing group apply to fine arts requirements for regular and honors diplomas.

Orchestra *(ORCH)*

Unlimited credits Grade(s) 9-12

The string orchestra is a full year course of study in which students will advance their knowledge of their particular string instrument and perform music from various periods and styles of string literature. Orchestra class meets daily, and as a performing group requires additional time outside of the regular school day for performances at various times during the school year. Credits earned in this performing group apply to fine arts requirements for regular and honors diplomas.

History of Rock Music *(HST ROCK MUS)*

1 Credit **Grade(s) 9-12**

The course aims to cover the history of the genre of rock music. This includes the origins of the genre, historical and cultural influences that have impacted and been impacted by the genre, advancements in technology that have contributed to the genre, and major musicians and groups from its conception to the present.

Applied Music: Guitar Focus *(APPL GUITAR)*

Unlimited credits **Grade(s) 9-12**

Students will learn about playing technique, and proper care and maintenance of the instruments. Topics include: reading music notation, playing chords and reading chord diagrams, tablature, and playing in the solo and ensembles settings.

Applied Music: Percussion Focus *(APPL DRUMS)*

Unlimited credits **Grade(s) 9-12**

Students will learn about playing technique, and proper care and maintenance of the instruments. Topics include: reading music notation, playing chords and reading chord diagrams, tablature, and playing in the solo and ensembles settings.

SCIENCE

Anatomy & Physiology *(A & P)*

2 credits **Grade(s) 11-12**

Required Prerequisite: Biology I

Anatomy & Physiology is a course in which students investigate concepts related to the Health Sciences. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & Physiology. Studies include the process of homeostasis and the essentials of human function at the level of genes, cells, tissues, and organ systems. Students will understand the structure, organization, and function of the various components of the healthy human body in order to apply this knowledge in all health-related fields.

Biology I *(BIO I)*

2 credits **Grade(s) 10-12**

Biology I is a course based on laboratory investigations that include a study of the structures and functions of living organisms and their interactions with the environment. At a minimum, students enrolled in Biology explore the structure and function of cells, cellular processes, and the interdependencies of organisms within populations, communities, ecosystems, and the biosphere. Students work with concepts, principles, and theories of the living environment. In addition, students enrolled in this course are expected to (1) gain an understanding of the history and development of biological knowledge, (2) explore the uses of biology in various careers, and (3) investigate biological questions and problems related to personal needs and societal issues. This is a prerequisite for Biology II, Chemistry II, and Anatomy.

Biology I Honors *(BIO I H)*

2 credits **Grade 9**

Required Prerequisite: Teacher recommendation or High Ability identification

This is a two semester honors biology course designed to teach students the concepts and principles of biology. Students will develop a conceptual framework for modern biology and recognize unifying themes that integrate the major topics of biology. Students will learn about the scientific process, molecules and cells, cellular reproduction and genetics, evolution, ecology, and the form and function of animals. Laboratory activities stress the development of important skills such as detailed observation, accurate recording, experimental design, and data interpretation and analysis. Students will develop critical thinking skills through research and discussion about issues relating to current advancements in Biology. It is recommended that students that are planning to take AP Biology II, take this course. It is recommended that freshman enroll who are strong science/math students and have been identifies by their middles school science teacher. This course will have a weighted grade.

Biology II/IVY BIOL 101 Introduction to Biology *(BIOII/IVY101)*

2 Credits **Grade(s) 11-12**

Required Prerequisite: GPA of 2.6 or higher, successful completion of Biology I

Biology II is an advanced laboratory, field, and literature investigations-based course. Students enrolled in Biology II examine in greater depth the structures, functions, and processes of living organisms. Students also analyze and describe the relationship of Earth's living organisms to each other and to the environment in which they live. In this course, students refine their scientific inquiry skills as they collaboratively and independently apply their knowledge of the unifying themes of biology to biological questions and problems related to personal and community issues in the life sciences. Counts as life science Course for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas. See appendix A for requirements for this course.

Chemistry I *(CHEM I)*

2 credits **Grade(s) 11-12**

Chemistry I allows students to synthesize useful models of the structure of matter and the mechanisms of its interactions through laboratory investigations of matter and its chemical reactions. Students have opportunities to: (1) gain an understanding of the history of chemistry, (2) explore the uses of chemistry in various careers, (3) cope with chemical questions and problems related to personal needs and social issues, and (4) learn and practice laboratory safety. Chemistry I is a prerequisite for AP Chemistry II and Biology II.

Chemistry I Honors *(CHEM I H)*

2 credits **Grade(s) 10-11**

Required Prerequisite: Teacher recommendation or High Ability identification

Chemistry I allows students to synthesize useful models of the structure of matter and the mechanisms of its interactions through laboratory investigations of matter and its chemical reactions. Students have opportunities to: (1) gain an understanding of the history of chemistry, (2) explore the uses of chemistry in various careers, (3) cope with chemical questions and problems related to personal needs and social issues, and (4) learn and practice laboratory safety. Chemistry I is a prerequisite for AP Chemistry II and Biology II. Focus on further preparation for advanced coursework in chemistry. This will be a weighted course

Chemistry II, Ivy Tech Intro Chemistry 101 *(CHEMII/IVY101)*

2 credits **Grade(s) 11-12**

Required Prerequisite: GPA of 2.6 or higher, successful completion of Chemistry I

Chemistry II, Introductory Chemistry is a course offered in tandem with Ivy Tech. Content for this course will be aligned with the content taught in CHEM 101 at Ivy Tech, and will therefore be determined by their chemistry department. An introductory course that includes the science of chemistry and measurement, atomic theory and the periodic table, chemical bonding, equation writing and balancing, stoichiometry, gases and acids/bases. The laboratory content of this course will be determined by Ivy Tech as well. The number of course hours spent in the lab in this course on the Ivy Tech campus will be identical to the number of course hours we spend in the lab. See Appendix A for requirements.

Environmental Science *(ENV SCI)*

2 credits **Grade 9**

Environmental Science is an interdisciplinary course that integrates biology, earth science, chemistry, and other disciplines. Students enrolled in this course conduct in-depth scientific studies of ecosystems, population dynamics, resource management, and environmental consequences of natural and anthropogenic processes. Students formulate, design, and carry out laboratory and field investigations as an essential course component. Students completing Environmental Science, acquire the essential tools for understanding the complexities of national and global environmental systems

Integrated Chemistry-Physics *(ICP)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Algebra I (may be taken concurrently)

This is an algebra based course that will survey the principles of chemistry and physics. The chemistry course will include topics: gases, molecules, atoms, compounds, chemical reactions, periodic trends, stoichiometry and thermochemistry. The physics course will include topics: objects in motion, work, types of entery, simple machines and optics.

Physics I *(PHYS I)*

2 credits **Grade(s) 11-12**

Required Prerequisite: Completion of Algebra II, Trigonometry and Chemistry

Physics I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three dimensional understanding of Physics topics. Disciplinary Core Ideas for this course include Forces and Interactions, Energy, Wave Properties, and Electromagnetic Radiation. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

SOCIAL STUDIES

Economics *(ECON)*

1 credit **Grade(s) 11-12**

Economics includes a study of the allocation of scarce resources and their alternative uses for satisfying human wants. This course examines basic models of decision making at various levels and in different areas including: (1) decisions made as a consumer, producer, saver, investor, and voter; (2) business decisions to maximize profits; and (3) public policy decisions in specific markets dealing with output and prices in the national economy.

Ethnic Studies *(ETH STUDIES)*

1 credit **Grade(s) 9-12**

Ethnic Studies examines how different ethnic groups have shaped and influenced the United States. The course will focus on the historical pasts of groups as well as current issues. Three groups that will be studied are Native Americans, Immigrants, and African Americans. Issues to be studied will include: cultures, lifestyles, reasons for immigration, current issues with immigration, slavery, contributions of groups, and how ethnic groups influence the United States today.

Indiana Studies *(IN STUDIES)*

1 credit **Grade(s) 9-12**

Indiana Studies is an integrated program comparing and contrasting state and national development 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. Students acquire motivation to participate in the political process as concerned citizens.

Psychology *(PSYCH)*

1 credit **Grade(s) 11-12**

Psychology provides an opportunity to study individual and social psychology and how the knowledge and methods of psychologists are applied to the solution of human problems. Content for the course includes some insights into behavior patterns and adjustments to social environments. The student should develop critical attitudes toward superficial generalizations about human beings, respect for the difficulty of establishing the truth of a proposition, and heightened sensitivity to the feelings and needs of others.

Sociology *(SOCIOLOGY)*

1 credit **Grade(s) 11-12**

Sociology provides opportunities for students to study group behavior and basic human institutions. Broad areas of content include the study of institutions found in all societies and could involve: (1) the family; (2) religion; (3) community organizations; (4) political groups; and (5) leisure time organizations. Moral values, traditions, folkways, the mobility of people, and other factors in society which influence group behavior are included in the course.

U.S. Government *(US GOVT)*

1 credit **Grade 12**

Required Prerequisite: Completion of junior year

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 political philosophies into contemporary political and legal systems. Constitutional structure and the processes of the legislative, executive, and judicial branches of the national, state, and local levels of government are examined.

U.S. Government, Trine GOV 103 - Introduction to Government *(GOV/TRINE103)*

1 credit **Grade 12**

Required Prerequisite: GPA of 3.0 or higher

An examination of the origins and operations of the national political machinery; the development, functions and philosophy of political parties and the problems and tasks of leading governmental agencies. If a student decides not to take this course for college credit, the course will be listed as US Government College Level. This is a weighted course. See appendix A for requirements for this course. This course is worth two high school credits and will run for two trimesters. Students will earn one weighted credit in Government, and one weighted credit in mandatory Topics in History class.

U.S. History *(US HIST)*

2 credits **Grade 11**

United States History emphasizes national development in the late nineteenth and twentieth centuries and builds upon concepts developed in previous studies of American history. Students in this course also identify and review significant events, figures, and movements in the early development of the nation. After providing such a review, the course gives major emphasis to the interaction of historical events and geographic, social and economic influences on national development in the late nineteenth and twentieth centuries.

U.S. History, Trine HIS 103/ 113 American History I/II *(HIS/TRINE103/113)*

2 credits **Grade 11**

Required Prerequisite: GPA of 3.0 or higher

Students will gain an insight into the introduction of American History that includes vocabulary, significant events and people, important dates, and appreciation of American History. 6 College Credits available. If students decide not to take this course for college credit, the course will be listed as US History College Level (US HIS CL). This is a weighted course. See appendix A for requirements for this course. This course is worth three high school credits and will run for three trimesters. Students will earn two weighted credits in US History, and one weighted credit in mandatory Topics in History class.

World History and Civilization *(WLD HST/CVL)*

2 credits **Grade 10**

World History and Civilization provides for a study of selected world cultures, past and present. The content of this course provides a basis for students to compare and analyze patterns of culture emphasizing both the diversity and commonality of human experience and behavior. This course emphasizes the interaction of local cultures with the natural environment, as well as the connections among civilizations from earliest times to the present. This course or Geography and History or the World is required for Core 40 and AHD diplomas.

World History, Trine HIS 203/213 World Civilization I/II *(WLD H/TRINE203/213)*

2 credits **Grade 10**

Required Prerequisite: GPA of 3.0 or higher

World History is a course that provides students with the content established by the Trine University. The course will have a chronological frame from the periods 8000 B.C.E. to the present. World History focuses on five overarching themes (1) interaction between humans and the environment, (2) development and interaction of cultures, (3) state-building, expansion, and conflict, (4) creation, expansion, and interaction of economic systems, and (5) development and transformation of social structures. This is a weighted course. This course is worth three high school credits and will run for three trimesters. Students will earn two weighted credits in World History, and one weighted credit in mandatory Topics in History class.

WORLD LANGUAGES

Italian I *(ITAL I)*

2 credits **Grade(s) 9-12**

Italian introduces students to effective strategies for beginning Italian language learning, and to various aspects of Italian-speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products and perspectives of Italian-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding Italian language and culture outside of the classroom.

Spanish I *(SPAN I)*

2 credits **Grade(s) 9-12**

Spanish I provides instruction enabling students to develop an understanding of the people who speak it and explore various aspects of the culture. Students will know and be able to apply effective strategies for language. This includes oral directions and commands, appropriate forms of address, guided conversations, situational context, written directions and information, narrative texts, and familiar words and phrases. Study will include topics such as needs, interests, likes, dislikes, family, descriptions, request, and identification of items.

Spanish II *(SPAN II)*

2 credits **Grade(s) 9-12**

Required Prerequisite: Spanish I

Spanish II enables students to participate in classroom and outside activities related to the language. Students will know and be able to ask questions on activities, participate in conversations, relate simple narratives, interact in a variety of situations, read aloud, and write brief responses to given situations. The class will go into more depth grammatically to enable students to speak about different time frames, specifically the past. This course leads students in building a broader vocabulary. Cultural information continues to be a part of language learning at this level.

Spanish III *(SPAN III)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Spanish I, II

Spanish III provides instruction enabling students to understand and appreciate other cultures by comparing social behaviors and values of people using the language. Students will initiate and participate in discussions concerning these cultures. In addition, students will know and be able to respond to questions, read for comprehension, read short literary selections, complete forms and documents, write paragraphs, short stories, and create dialogues of conversation. Students will develop more complex grammar concepts, such as future, conditional, and subjunctive verb form. Students work not only on speaking and reading the language, but also on automatically thinking in the target language.

Spanish IV *(SPAN IV)*

2 credits **Grade(s) 11-12**

Required Prerequisite: Spanish I, II, III

Spanish IV advances students in language acquisition and application. Students will gain additional vocabulary and grammar skills. They will read literary pieces and be able to analyze and critique them. Students will concentrate on listening, speaking, reading, and writing when it comes to current social issues. The objective of this course is to connect previously learned concepts/vocabulary with new information in order to improve the application of their overall language usage.

Spanish for Heritage Speakers *(LHS I)*

2 credits **Grade(s) 9-12**

Language for Heritage Speakers I is a course designed for heritage speakers of world languages 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.

INDUSTRICAL TECH

Civil Engineering and Architecture *(CIVIL ENG)*

2 credits **Grade(s) 11-12**

Required Prerequisite: Introduction to Engineering Design

Civil Engineering and Architecture introduces students to the fundamentals of civil engineering and architectural planning activities. Students will design a house plan during the first trimester of this class. The second trimester will be the civil engineering portion of the class. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. Students interested in designing houses, commercials buildings, interior design, bridges, roads should take this class.

Computers in Design and Production *(COMP DES)*

2 credits **Grade(s) 9-12**

Computers in Design and Production is a course that specializes in using modern technological processes, computers, design, and production systems in the production of products and structures through the use of automated production systems. Emphasis is placed on using modern technologies and on developing career related skills for electronics, manufacturing, precision machining, welding, and architecture career pathways. Students apply ingenuity using tools, materials, processes, and resources to create solutions as it applies in the electronics, manufacturing, precision machining, welding, and architecture. Students create designs in CAD for projects that they will build in the shop or on the 3d printer.

Computer Science I *(COM SCI I)*

2 credits **Grade(s) 10-12**

Computer Science I introduces the structured techniques necessary for efficient solution of business-related computer programming logic problems and coding solutions into a high-level language. The fundamental concepts of programming are provided through explanations and effects of commands and hands-on utilization of lab equipment to produce accurate outputs. Topics include program flow-charting, pseudo coding, and hierarchy charts as a means of solving problems. The course covers creating file layouts, print charts, program narratives, user documentation, and system flowcharts for business problems; algorithm development and review, flowcharting, input/output techniques, looping, modules, selection structures, file handling, control breaks, and offers students an opportunity to apply skills in a laboratory environment.

Introduction to Advanced Manufacturing *(INT ADV MFTG)*

2 credits **Grade(s) 9-12**

Introduction to Advanced Manufacturing focuses on manufacturing systems with an introduction to advanced manufacturing and logistics and their relationship to society, individuals, and the environment. Students apply the skills and knowledge of using modern manufacturing processes to obtain resources and change them into industrial materials, industrial products and consumer products. Students investigate the properties of engineered materials. Students study six major types of material processes: casting and molding; forming; separating; conditioning; finishing; and assembling. After gaining a working knowledge of these materials, students are introduced to advanced manufacturing, logistics, and business principles that are utilized in today's advanced manufacturing industry. Students gain a basic understanding of tooling, electrical skills, operation skills, inventory principles, MSDS's, chart and graph reading and MSSC concepts. There is also an emphasis placed on the flow process principles, material movement, safety, and related business operations.

Introduction to Construction *(INT CONST)*

2 credits **Grade(s) 9-12**

Intro to Construction is a course where students learn the basic process of building a house. This includes foundations, framing, roofing, electrical and plumbing. Student will also learn the tools that are used in building a house. This course also covers the different areas or careers for students to pursue. Students will do several projects in this class including; a sawhorse, a wood step stool, picture frames and model of a storage shed. Students will practice doing electrical and plumbing work that will enable them to do simple home repairs.



Introduction to Engineering Design *(INT ENG DES)*

2 credits **Grade(s) 9-12**

Introduction to Engineering Design is an introductory course which develops student problem solving skills using the design process. Students do drafting on the computer using CAD software. Students develop solutions using elements of design and manufacturability concepts. They develop hand sketches using 2D and 3D drawing techniques. This course also gets to make 3d designs on the computer and print them off on the 3d printer.

Principles of Engineering *(PRNC ENG)*

2 credits **Grade(s) 10-12**

Required Prerequisite: Introduction to Engineering Design

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.

WAWASEE PATHWAYS: CAREER/TECHNICAL EDUCATION

FAIRFIELD – WAWASEE - COLUMBIA CITY

The area career & technical school program is a cooperative venture between the four high schools, Fairfield, Wawasee, Columbia City, and West Noble. The program provides the students with the opportunity to enlarge 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 should be aware of the following:

- **Due to the times of these courses, student maybe required to be at school before the school day begins.**
- **Students must take school provided transportation to these programs.**
- **All programs run for the entire school year, unless otherwise indicated.**
- **Applications are required for all programs.**
- **In selecting a career & technical course, it is important for the student to confer with his/her school counselor.**

AUTOMOTIVE SERVICES TECH I & II

6 credits **Grade(s) 11-12**

- **Location:** Wawasee High School
- **Certifications Available:** ASE, Valvoline, and Mitchel1 ProDemand
- **Ivy Tech Dual Credits Available:** AUTI 121; 3 college credits, AUTI 111; 3 college credits, AUTI 121; 3 college credits
- **Additional Course Fees:** $66.72 for first year students

Auto Service Tech includes classroom and laboratory experiences that incorporate training in all phases of automotive maintenance repair work on all types of automotive vehicles. Training in the use of technical manuals and a variety of hand and power tools will be included in this course. Instruction and practice provided will be in the diagnosis of malfunctions, disassembly of units, parts inspection and repair or replacement of parts, carburetion, brakes, ignition systems, engine overhaul and repair, transmission, front end alignment and the installation of a variety of accessories such as radios, heaters, and windshield wipers.

BUILDING TRADES I & II

6 credits **Grade(s) 11-12**

- **Location:** Wawasee OR Fairfield HS.
- **Certifications Available:** National Center for Construction Education and Research, available after 2nd year of program
- **Ivy Tech Dual Credits Available for 1st year students:** BCTI 100; 3 college credits, BCTI 101; 3 college credits
- **Ivy Tech Dual Credits Available for 2nd year students:** BCTI 102; 3 college credits, BCTI 103; 3 college credits, BCTI 104; 3 college credits
- **Additional Course Fees:** $26.22 for first and second year students

Building Trades includes classroom and laboratory experiences related to the erection, installation, maintenance, and repair of buildings, homes, and other structures using assorted materials such as metal, wood, stone, brick, glass, concrete, and composition substances. The classroom/lab instruction provides a variety of activities such as cost estimating; cutting, fitting, fastening, and finishing various materials; the uses of a variety of hand and power tools; and, blueprint reading and following technical specifications. Knowledge concerning the physical properties of materials will also be covered. Courses covered under Building Trades Tech include: Masonry, Carpentry, Electric, Plumbing, Construction, and Building & Facilities Management.

COMPUTER TECH SUPPORT

6 credits **Grade(s) 11-12**

- **Location:** Fairfield
- **Certifications Available:** Comp TIA and PC Pro
- **Ivy Tech Dual Credits Available:** ITSP 132; 3 college credits, ITSP 134; 3 college credits, SDEV 120; 3 college credits
- **Additional Course Fees:** $94

This is a one-year program where students explore how computers work. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems.

COSMETOLOGY I & II

6 credits **Grade(s) 11-12**

- **Interview Required**
- **Location:** Fairfield HS.
- **Certifications Available:** State Licensed Cosmetologist, available after 2nd year of program.
- **Vincennes Dual Credits Available fir 1st year students:** COSM 100; 3 college credits, COSM 150; 3 college credits
- **Ivy Tech Dual Credits Available for 2nd year students:** COSM 200; 3 college credits, COSM 250; 3 college credits
- **Additional Course Fees:** $530.65 for first year students; $158 for second year students

Cosmetology I and II include classroom and practical experiences concerned with a variety of beauty treatments, including the care and beautification of hair, complexion, and hands. Instruction will include: training in giving shampoos, rinses, and scalp treatments; hair styling, setting, cutting, dyeing and tinting, bleaching, and fitting wigs; permanent waving; facials; manicuring; and hand and arm massaging. Bacteriology, anatomy, hygiene, sanitation, salon management (including keeping records), and customer relations will also be emphasized in this course. This two year program is designed to qualify students for the licensing examination. In addition to receiving their license, the student will also have an opportunity to apply for dual accreditation towards a business degree from Vincennes University. Students also will compete in SkillsUSA, a club for young business professionals.

CULINARY ARTS HOSPITALITY MANAGEMENT I & II

6 credits **Grade(s) 11-12**

- **Location:** Wawasee
- **Certifications Available:** Serv Safe, CPR, First Aid.
- **Ivy Tech Dual Credits Available:** HOSP 101; 2 college credits
- **Additional Course Fees:** $262.55 for first year students; $176 for second year students

This class prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the food industry, including (but not limited to) food production and services; food science, dietetics, and nutrition; and hospitality and tourism. Instruction and intensive laboratory experiences may include commercial applications of principles of nutritious, aesthetic, and sanitary selection, purchasing, storage, preparation, and service of food and food products; using and maintaining related tools and equipment; managing operations in food service, food science, or hospitality establishments; providing for the dietary needs of persons with special requirements; related research, development, and testing. Intensive laboratory experiences with commercial applications are a required component of this course of study. Student laboratory experiences may be either school-based or "on-the-job" or a combination of the two. Work-based experiences in the foodservice industry are strongly encouraged.

ELECTRONICS/ POWER-UP I & II (COMPUTER PROGRAMMING)

6 credits **Grade(s) 11-12**

- **Location:** Wawasee High School
- **Ivy Tech Dual Credits Available:** SDEV 120; 3 college credits

Students in Electronics will participate in a hands-on laboratory environment, and will have the opportunity to work with real-world tools and equipment. Programming will be learned through CodeCombat, a game-based instructional tool, along with instructor lessons and assistance. Students will learn coding, video game design, drone technology, software design, algorithm, program development, debugging, app development, electrical safety and autonomous robots.

EMERGENCY MEDICAL TRAINING (EMT)

6 credits **Grade 12**

- **Location:** Columbia City High School
- **Certifications Available:** National Registry EMT Basic Certification and the CT Basic Emergency Studies.
- **Ivy Tech Dual Credits Available:** PARM 102; 7.5 college credits

This course is being offered in partnership with Multi-Township EMS of Warsaw. It is a state-approved curriculum for E.M.T. training. Once completed and reaching the age of 18, the student can take the state test and if successful, become a licensed E.M.T. Students are required to have specific shots which can be obtained from the family doctor or the county health clinic. Course offering is dependent on the number of students and instructor availability.

FIRE RESCUE I

6 credits **Grade 11-12**

- **Location:** Columbia City High School
- **Certifications Available**: Bloodborne Pathogens, Hazardous Materials Awareness, Hazardous Materials Operations, Technical Rescue Awareness, Firefighter I, Firefighter II, CPR, SIDS Awareness, IMS 700, IMS 100, IMS 200, and IMS 800.
- **Ivy Tech Dual Credits Available for 1st year students:** HSPS 106; 3 college credits, HSPS 121; 3 college credits, HSPS 122; 3 college credits, HSPS 165; 3 college credits
- **Ivy Tech Dual Credits Available for 2nd year students:** HSPS 167; 3 college credits
- **Additional Course Fees:** $150

Every year, fires and other emergencies take thousands of lives and destroy property worth billions of dollars. Firefighters and emergency services workers help protect the public against these dangers by rapidly responding to a variety of emergencies. 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.

HEALTH SCIENCE EDUCATION I & II

6 credits **Grade 11-12**

- **Location:** Wawasee High School.
- **Certifications Available:** CPR, First Aid, and C.N.A
- **Ivy Tech Dual Credits Available for 1st year students:** HLHS 100; 3 college credits, HLHS 101; 3 college credits, HLHS 104; 0.5 college credits
- **Ivy Tech Dual Credits Available for 2nd year students:** HLHS 105; 3 college credits, HLHS 125; 3 college credits
- **Additional Course Fees:** $30.36

Health Science Education I content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, an introduction to health care systems, anatomy, physiology, and medical terminology. Leadership skills developed through HOSA participation are also included. Lab experiences are organized and planned around the activities associated with the student's career objectives. Job seeking and job maintenance skills, personal management skills, self-analysis to aid in career selection and completion of the application process for admission into a post-secondary program of their choice are also included in this course. Health Science Education II–is an extended laboratory experience at the student's choice of clinical site designed to provide students the opportunity to assume the role of a health care provider and practice technical skills previously learned in the classroom, including information on the healthcare system and employment opportunities at a variety of entry levels, an overview of the healthcare delivery systems, healthcare teams and legal and ethical considerations. It prepares students 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. This course also provides students with the knowledge, attitudes, and skills needed to make the transition from school to work in health science careers, including self-analysis to aid in career selection, job seeking and job maintenance skills, personal management skills, and completion of the application process for admission into a post-secondary program. HOSA, the health science student organization, encourages development of leadership, communication, community service and health care related skills.

MARINE MECHANICS & POWER SPORTS I & II

6 credits **Grade 11-12**

- **Location:** Wawasee High School
- **Certifications Available:** Forklift Operator, Mercury, and Yamaha.
- **Additional Course Fees:** $72.31 for first year students; $25.28 for second year students

Marine Mechanics & Power Sports I & II introduces students to Shop Safety, Tools, Winterizing and off-season storage, Shrink Wrapping, General Maintenance, Trailer Systems, On water testing, Hull Configuration, 2 & 4 Stroke Theory Operation, Powertrain, Oils And lubrication systems, Fuels, Summarization, Propellers, Power Trim and Tilt Systems, Cooling systems, and Accessories. Additional emphasis will be placed on content specific reading of repair and maintenance manuals. This is a Marine/Boating based course that begins at the prop, ends at the bow, and encompasses all aspects of the mechanical operation of a boat, pontoon, PWC, and trailer. Students will get hands on experiences working with inboards, outboards, I/O's, trailering boats, driving boats, troubleshooting boat problems, creating work orders, detailing, customer service, and basically all aspects of the boating business. On the Power Sports side students will get experiences working on Dirt bikes, ATV's, UTV's, Snowmobiles, and on-the-road Motorcycles.

RADIO AND TELEVISION I & II

6 credits **Grade 11-12**

- **Location:** Wawasee High School
- **Ivy Tech Dual Credits Available for 1st year students:** VISC 105; 3 college credits
- **Ivy Tech Dual Credits Available for 2nd year students:** VIDT 210; 3 college credits
- **Additional Course Fees:** $5.45

This course provides instruction to develop and enhance competencies in various communication, marketing, media, production, and technical functions and tasks performed by employees, including management personnel, in radio/TV broadcasting and telecommunications occupations. Emphasis is placed on career opportunities, production, programming, promotion, sales, announcing, broadcast equipment operation, news and sports casting, webcasting and video streaming, broadcast regulations and laws, station organization, technical oral/written communication, and listening skills. Instructional strategies will include a hands-on school-based enterprise with occupational experiences, such as the operation of an in-school radio station (Warrior Radio WRWT-LP 93.7 FM), television, telecommunications, and field trips. Students will have their voices and images on air.

VET CAREERS I & II

6 credits **Grade 11-12**

- **Location:** Fairfield High School
- **Certifications Available:** iCEV certification, available to students after their 1st year; OSHA-10 certification, and Fear Free Certification available to students after their 2nd year
- **Additional Course Fees:** $81.95 for first year students; $20 for second year students

The first year consists of getting to know the profession and learning things such as: Medical Terminology, Anatomy and Physiology, Small and Large Animal Nursing, Pharmacology, Radiology, Clinical pathology, and Surgical Assisting. Classes are a combination of lecture and hands on learning that helps to reinforce the learning experience. There will also be opportunities to observe and assist with real surgeries performed by local veterinarians. All of this will help to prepare the student for the second year of the program and also the Veterinary Assisting Certificate Exam which will allow the student to become a Certified Veterinary Assistant. The second year will be an externship at a local veterinary practice. The student will be required to obtain at least 500 hours of hands experience before taking the certification exam in the Spring. This will require the student to have excellent attendance in order to complete the needed hours before the testing date. Students will be evaluated by the veterinary practice for the completion of all skills required for the certification.

WELDING TECHNOLOGY I

6 credits **Grade 11-12**

- **Location:** Wawasee High School
- **Certifications Available:** OSHA-10 certification available to students after their first year, forklift certification, and may test for their AWS Certification available to second year students.
- **Ivy Tech Dual Credits Available for 1st year students**: WELD 100; 3 college credits, WELD 108; 3 college credits
- **Ivy Tech Dual Credits Available for 2nd year students** WELD 207; 3 college credits, WELD 208; 3 college credits
- **Additional Course Fees:** $305.28 for first year students; $70.98 for second year students

Welding Technology includes classroom and laboratory experiences that develop a variety of skills in American Welding Society (AWS) Entry Level Guidelines and Certifications. Areas of study include arc, MIG, and oxy-acetylene/brazing welding gas and plasma cutting. Instructional activities emphasize blueprint reading, welding symbols, and auxiliary equipment like horizontal band saw, chop saw, iron worker, and drill press. Safety is emphasized with all equipment and procedures.

Beginning with the 1990-91 school years, the IMPACT Institute ventured in a new direction to expand Career & Technical programs for students. A leased facility in Kendallville was renovated to house a Welding program, serving students from five high schools, on a cost shared basis.

This concept was further expanded in the 1991-92 school years with the addition of Health Occupations Education, Marine Mechanics and Machine Trades programs. The IMPACT Institute continued to add programming such as Industrial Maintenance Technology, Direct Health Care and Cosmetology in 1995-96, CAD and Auto Mechanics in 1996-97 and then Criminal Justice in 2002.

In the 2005-06 school years, IMPACT INSTITUTE expanded even further with the additions of Office Supervision and Management (OSM) and an additional HOE program to serve the LaGrange county area, followed by Culinary Arts and Construction Trades in 2007-08.

All these changes and additions are direct reflections of the growing needs of our partnering high schools. They serve to demonstrate our commitment to providing the best possible education to the students we serve. With the help and cooperation of our partnering schools, the IMPACT Institute looks forward to continued growth.

Organizational Structure

Currently, thirteen Career and Technical programs are offered to students through an arrangement of shared costs and are housed at facilities outside a high school building. The IMPACT Institute administers these programs.

See the following pages for descriptions of IMPACT Institute programs. All programs require an application to be completed by the given deadline. See a counselor for this application.

Auto Body Collision Repair

Course Description:

Students applying for the Auto Body Collision Repair program should have a strong passion for automobiles. The ideal student must be hands on and be a creative thinker, who strives to see the final product of his/her labor and hard work. Formal training in Auto Body Technology is highly desirable because advances in technology in recent years have greatly changed the structure, components, and even materials used in automobiles. The program is designed to provide the latest in practical, hands-on coursework driven by current industry standards and the basic skills required for employment in the auto body industry. All phases of auto collision damage, repair, replacement and repainting will be covered. Some techniques include welding, masking, sanding, painting and uni-body frame straightening.

Program Duration:

The Auto Body Collision Repair program is a two (2) year program. No prerequisites are required for this program, however; a strong desire to pursue a career in the automotive repair industry is recommended.

Credits:

Students enrolled in Auto Body Collision Repair may be eligible to apply for the following dual credits over the course of their 2 years of instruction:

1st Year Students

- Ivy Tech AUBR 101- 3 credits
- Vincennes University Body100- Non-Structural Analysis and Damage Repair- 3 Credits
- Vincennes University Body100L Non-Structural Analysis and Damage Repair Lab- 4 Credits

2nd Year Students

- Ivy Tech AUBR103 Automotive Paint Fundamentals-3 credits
- Vincennes University Body 150- Painting and Refinishing- 3 Credits
- Vincennes University Body 150L- Painting and Refinishing Lab- 4 Credits

Enrollment Procedure:

Open enrollment occurs each spring with due dates in mid-March. Contact your school counselor for additional details and an application.

Additional Fees:

$45

Automotive Service Technology

Course Description:

The Automotive Service Technology program is designed to meet the needs of those students who plan to pursue a career in automotive technology. This course meets the guidelines of NATEF/ASE Certification in the areas of Brakes, Electrical/Electronics, Engine Performance, Heating and Air Conditioning, and Suspension and Steering. Students completing the two-year program will earn one-year credit towards their ASE Certification.

Program Duration:

Students may enroll in the Automotive Service Technology program for two years, beginning in their junior year. No prerequisites are required for this program. Six to twelve high school credits may be earned by participating in the class.

Credits:

Students enrolled in Automotive Service Technology may be eligible to apply for the following dual credits over the course of their 2 years of instruction:

1st Year Students

- Ivy Tech AUTI100 Basic Automotive Service - 3 credits
- Ivy Tech AUTI121 Brake Systems - 3 credits
- Ivy Tech AUTI122 Steering & Suspension Systems - 3 credits

2nd Year Students

- Ivy Tech AUTI131 Engine Performance Systems I - 3 credits
- Ivy Tech AUTI111 Electrical & Electronics - 3 credits
- Ivy Tech AUTI145 Driveline Service – 3 credits

Enrollment Procedure:

Open enrollment occurs each spring with due dates in mid-March. Contact your school counselor for additional details and an application

Additional Fees:

$20

Cosmetology

Course Description:

Students enrolled in this program receive 1,500 hours of training during the two-year program in areas such as hair cutting, coloring, perming, facials, facial makeup, bacteriology, nails and nail disorders, chemistry, personal grooming, and many more areas. Training follows the state-mandated curriculum with the goal of students earning their cosmetology license upon successful completion of the State Board exam. The program has its own calendar with similar start and end dates as other Impact administered programs. In order to reach the required hours, training is available on Monday evenings and some Saturdays through-out the year.

Program Duration:

Students may enroll in the Cosmetology program for two years, beginning in their junior year. No prerequisites are required for this program. Six to twelve high school credits may be earned by participating in the class.

Credits:

Students enrolled in Cosmetology may be eligible to apply for the following dual credits over the course of their 2 years of instruction:

1st Year Students

- Vincennes COSM100 Cosmetology I (MUST pass Accuplacer) - 7 credits
- Vincennes COSM150 Cosmetology II (COSM100 with grade of C or better) - 7 credits

2nd Year Students

- Vincennes COSM200 Cosmetology III (COSM150 with grade of C or better) - 7 credits
- Vincennes COSM250 Cosmetology IV (CSOM200 with grade of C or better) - 7 credits

Enrollment Procedure:

Students need to contact their Guidance Counselor for an application. Enrollment for first year students is through an application process conducted by the Cosmetology Instructors.

Additional Fees:

$500

Construction Trades

Course Description:

Construction Trades is designed to provide students with experiences of constructing a new home. Projects will include: cement work, framing, roofing, siding, window installation, dry walling, finish work, some plumbing, heating, and electrical. The program follows the NCCER curriculum and provides students the opportunity to earn the CORE and Carpentry Level 1 certifications.

Program Duration:

Students may enroll in the Construction Trades program for two years beginning in their junior year. No prerequisites are required for this program. Six to twelve high school credits may be earned by participating in the class.

Credits:

Students enrolled in Construction Trades may be eligible to apply for the following dual credits over the course of their 2 years of instruction:

1st Year Students

- Ivy Tech BCTI100 Introduction to Construction - 3 credits
- Ivy Tech BCTI101 Introduction to Carpentry, Part I - 3 credits (Must pass BCTI100)

2nd Year Students

- Ivy Tech BCTI102 Introduction to Carpentry, Part II - 3 credits (Must pass BCTI101)
- Ivy Tech BCTI103 Carpentry Framing & Finishing, Part I - 3 credits (Must pass BCTI100)
- Ivy Tech BCTI104 Carpentry Framing & Finishing, Part II - 3 credits (Must pass BCTI103)

Enrollment Procedure:

Students need to contact their Guidance Counselor for an application.

Additional Fees:

None

Culinary Arts

Course Description:

The Culinary Arts program is designed to prepare students to join the workforce or continue their education in the area of food service operation, preparation, and ultimately, professional chef. Targeted areas of curriculum will include: nutrition, sanitation and safety, basic food preparation, baking, pastries, meat and seafood, equipment utilization and maintenance, purchasing, inventory and management. Students have an opportunity to be ServSafe certified.

Program Duration:

Students may enroll in the Culinary Arts program for two years beginning in their junior year. No prerequisites are required for this program. Six to twelve high school credits may be earned by participating in the class.

Credits:

Students enrolled in Culinary Arts may be eligible to apply for the following dual credits over the course of their 2 years of instruction:

1st Year Students

- Ivy Tech HOSP101 Sanitation & First Aid - 2 credits (Must pass Accuplacer)
- Ivy Tech HOSP102 Basic Food Theory and Skills – 3 credits (Must pass HOSP101)
- Ivy Tech HOSP105 Introduction to Baking - 3 credits (Must pass HOSP101)

2nd Year Students

- Ivy Tech HOSP103 Soups, Stocks and Sauces – 3 credits
- Ivy Tech HOSP104 Nutrition - 3 credits (Must pass Accuplacer)
- Ivy Tech HOSP108 Hospitality Human Resources Management and Supervision – 3 credits

Enrollment Procedure:

Students need to contact their Guidance Counselor for an application.

Additional Fees:

$75

Criminal Justice

Course Description:

This course provides students with an introduction to Criminal Justice and professions in law enforcement, corrections, and the court system. Students will study criminal justice careers through classroom theory, field trips, guest speakers, case studies, and hands on experiences. Students will explore organized crime, fingerprinting, criminal patterns, interrogations, arrest procedures, crime scene investigation, patrol techniques, evidence collection, traffic accident investigations, report writing, constitutional rights, and many other areas related to criminal justice careers. Students are eligible to earn the Indiana County Jail Officer certification.

Program Duration:

Students may enroll in the Criminal Justice program for one year in the junior or senior year. No prerequisites are required for this program. Six high school credits may be earned by participating in the class.

Credits:

Students enrolled in Culinary Arts may be eligible to apply for the following dual credits:

- Vincennes LAWE100 Survey of Criminal Justice - 3 credits
- Vincennes LAWE101 Basic Police Operation – 3 credits
- Vincennes LAWE145 Ethics & Professionalism in Criminal Justice - 3 credits
- Vincennes LAWE150 Criminal Minds and Deviant Behavior – 3 credits

Enrollment Procedure:

Students need to contact their Guidance Counselor for an application.

Additional Fees:

None

Electrical, Plumbing & HVAC

Course Description:

The Electrical, Plumbing & HVAC program is a two-year program. Basic skills taught in this program include the installation, on-going operation, and troubleshooting of residential wiring, plumbing, and heating, ventilation, air conditioning and refrigeration systems. The course will teach knowledge and skills in basic electricity, installation of wiring, outlets, switches, blueprint reading, installation of copper and plastic supply lines and cast iron and plastic waste water lines, sheet metal patterns, welding, soldering, and piping. The goals of the program are to train the students for entry-level job positions, encouraging them to further their knowledge in apprenticeship programs and technical schools. Students completing the two-year program will have the opportunity to earn one-year credit towards apprenticeship training through the Plumbers & Steamfitters Local 166 JATC program. In order for apprenticeship credit to be earned, a student must first be accepted into the JATC program.

Program Duration:

The Electrical, Plumbing & HVAC program is a two (2) year program. No prerequisites are required for this program, however; a strong desire to pursue a career in the electrical, plumbing, and HVAC industries is recommended.

Credits:

Students enrolled in Electrical, Plumbing & HVAC may be eligible to apply for the following dual credits over the course of their 2 years of instruction:

1st Year Students:

- Ivy Tech HVAC101 Heating Fundamentals-3 credits
- Ivy Tech HVAC100 Introduction to HVAC- 3 credits
- Ivy Tech INDT 113 Basic Electricity- 3 Credits

2nd Year Students

- Ivy Tech HVAC107 Duct Fabrication & Installation-3 credits
- Ivy Tech HVAC103 Refrigeration I-3 credits

Enrollment Procedures:

Open enrollment occurs each spring with due dates in mid-March. Contact your school counselor for additional details and an application.

Additional Fees:

None

Interactive Media

Course Description:

The Interactive Media program is designed to teach creative individuals how to improve their skills while helping to develop an eye for design and translate that knowledge into a career. This course will teach students to communicate ideas through different media with exposure in video, print, motion graphics and the web. Some possible areas of study within the 2 years of instruction will include, but not be limited to: Music and Video recording, editing and mixing, Game Design & Development including motion graphics, 3D graphics and animation, Branding/Marketing through computer graphics and more.

Some possible career paths with the program and post-secondary education may include: Graphic Designer, Flash Designer, Illustrator, Web Designer, Web Developer, Production Artist, Digital Media Artist, 3D Modeler, Visual Effects Artist, Web Content Developer and Video Editor.

Program Duration:

The Interactive Media program is a two (2) year program. No prerequisites are required for this program, however; a strong desire to pursue a career in digital media is recommended.

Credits:

Students enrolled in Interactive Media may be eligible to apply for the following dual credits over the course of their 2 years of instruction:

1st Year Students

- Ivy Tech VISC102 Fundamentals of Imaging-3 credits
- Ivy Tech VISC105 Video and Sound-3 credits

2nd Year Students

- Ivy Tech PHOT104 Basic Photography- 3 credits
- Ivy Tech VIDT210 Production Editing I- 3 credits

Enrollment:

Open enrollment occurs each spring with due dates in mid-March. Contact your school counselor for additional details and an application.

Additional Fees:

None

Marine Service Technology

Course Description:

The Marine Service Technology program is the only program in the United States to have earned the Marine Industry Certification. Marine Service Technology is organized to provide classroom and lab experiences to prepare students for employment in the boating industry. Students completing the two year program will earn their MIC certification. Instruction covers many facets of the industry including outboard and stern drive engine repair, repair and testing of stern drive lower units, steering mechanisms, hull repair and detailing, trailer adjustments, winterizing of engines, boat handling and safety of operation, trouble shooting mechanical and electrical problems, customer relations, EFI troubleshooting and more. Students are eligible to earn entry level certifications from Evinrude/BRP, Mercury, and Yamaha.

Program Duration:

Students may enroll in the Marine Service Technology for two years beginning in their junior year. No prerequisites are required for this program. Six to twelve high school credits may be earned by participating in the class.

Credits:

Traditional dual credit is not available in this program. Students may take advantage of articulation agreements or testing out of post-secondary curriculum at schools such as Marine Mechanics Institute (MMI) or Wyotech.

Enrollment:

Open enrollment occurs each spring with due dates in mid-March. Contact your school counselor for additional details and an application.

Additional Fees:

$120

Precision Machining

Course Description:

A student looking to enroll in the Precision Machining class should be a creative, productive and motivated craftsman. The program introduces students to the basics of the precision tool making trade. Students will be instructed in the use of lathes, mills, surface grinders, O.D. grinders, drill press, saws and other machine shop equipment related to precision tool making. More technically advanced machinery includes CNC mill, CNC lathe, EDM Sinker and EDM Wire. Student projects are geared toward building precision tools to use when they enter this career field. Second year students will learn more advanced techniques of machining projects.

Program Duration:

The Precision Machining program is a two (2) year program. No prerequisites are required for this program, however; a strong desire to pursue a career in the machining industry is recommended.

Credits:

Students enrolled in Precision Machining may be eligible to apply for the following dual credits over the course of their 2 years of instruction:

1st Year Students

- Ivy Tech MTTC101 Introduction to Machining – 3 credits
- Ivy Tech MTTC102 Turning Processes I – 3 credits (Must pass MTTC101)
- Ivy Tech MTTC110 Turning and Milling Process – 3 credits

2nd Year Students

- Ivy Tech MTTC106 Print Interpretation – 3 credits
- Ivy Tech MTTC107 CNC Set Up and Operation – 3 credits (Must pass MTTC101)

Enrollment Procedure:

Open enrollment occurs each spring with due dates in mid-March. Contact your school counselor for additional details and an application.

Additional Fees:

Optional $110 measuring kit

Primary Health Care

Course Description:

Primary Health Care is a one year course. The course is geared toward students interested in nursing and direct patient/resident care as well as learning the duties and responsibilities of administrative and clinical medical assistants.

The course takes students through the Certified Nursing Assistants (CNA) certification process with the Indiana State Department of Health, Long Term Care CNA Curriculum. This curriculum includes a required 30 hours of classroom instruction; demonstration and practice of 72 skills, and 75 hours of clinical work at a long term care facility.

The course also focuses on Medical Assisting and the basic skills that one might see performed in a doctor's office, hospital, or outpatient facility. Various instructional strategies and technologies will be used to give students the opportunity to gain additional knowledge of anatomy, physiology, and medical terminology. Health Care Provider CPR certification and First Aid training are also obtained.

Program Duration:

This program is one year and is open to juniors and seniors. Six high school credits may be earned by participating in the class.

Credits:

Students enrolled in Primary Health Care may be eligible to apply for the following dual credits while participating in the course:

- Ivy Tech HLHS107 Certified Nursing Assistant (CNA) - 5 credits
- Ivy Tech HLHS112 Home Health Aide Bridge (must earn CNA) - 2 credits
- Ivy Tech HLHS113 Dementia Care - 3 credits

Enrollment Procedure:

Students enrolling in Primary Health Care should be team players, have empathetic personalities, be organized and have critical thinking and interpersonal communication skills. An application for enrolling in this course may be obtained by contacting the high school Guidance Counselor or clicking the link below. Enrollment is through an application and interview process conducted by the Instructor. After being accepted into the course, students are required to have a limited criminal background check.

Additional Fees:

$130

Smart Technologies and Automation

Location:

IMPACT Institute
892 Dowling St.
Kendallville, IN 46755

Course Description:

The Smart Technologies & Automation program is a place where Information Technology, Smart Technologies, Automation, and Robotics come together to create the most efficient workplaces of the future. It is an environment where students will learn how machines "talk" to machines and machines "talk" to people through the Internet and the Cloud in order to make life and work more convenient. The combinations of these technologies and their interconnectivity leads to a more comprehensive approach to the making and delivery of the products we buy and use every day. These technologies are being introduced into many manufacturing and logistics businesses, but are likely to become commonplace in many industries in the future.

Program Duration:

Students may enroll in the Smart Technologies and Automation Program for two years beginning in their junior year. No prerequisites are required for this program. Six to twelve high school credits may be earned by participating in the class.

Credits:

Students enrolled in Smart Technologies and Automation will be eligible for dual credit.

Enrollment Procedure:

Students need to contact their guidance counselor for an application.

Additional Fees:

None

Welding

Course Description:

The Vocational Welding program is designed to prepare students to join the workforce or continue their education. The main emphasis is placed on theory and practice of shielded metal arc welding, shielded metal gas welding, gas tungsten, arc welding, plasma arc cutting and oxyacetylene cutting. Students are also instructed on safely setting up and operating horizontal saws, chop saws, ironworkers, power shears, drill presses and brakes and hand grinders. The equipment used is of the latest technology available with the tigs and migs having computerized pulse capabilities. The welding program follows the American Welding Society (AWS) curriculum, which offers students the opportunity to earn AWS, Level I Certification. This certification will be recognized throughout the United States, Canada and much of the world.

Program Duration:

Students may enroll in the Welding program for two years beginning in their junior year. No prerequisites are required for this program. Six to twelve high school credits may be earned by participating in the class.

Credits:

Students enrolled in Welding may be eligible to apply for the following dual credits over the course of their 2 years of instruction:

1st Year Students

- Ivy Tech INDT114 Introductory Welding - 3 credits
- Ivy Tech WELD108 Shielded Metal Arc Welding - 3 credits
- Ivy Tech WELD207 Gas Metal Arc Welding – 3 credits

2nd Year Students

- Ivy Tech WELD206 Advanced Shielded Metal Arc Welding II – 3 credits
- Ivy Tech WELD208 Gas Tungsten Arc Welding – 3 credits
- Ivy Tech WELD272 Advanced Gas Metal Welding II (Must pass WELD108) - 3 credits
- Ivy Tech WELD273 Advanced Gas Tungsten Arc Welding II (Must pass WELD 208) - 3 credits

Enrollment Procedure:

Open enrollment occurs each spring with due dates in mid-March. Contact your school counselor for additional details and an application.

Additional Fees:

$220-$400, Depending on gear selected

Appendix A

Dual Credit Offered At West Noble High School

Department	College	College Course #	College Course	HS Course	# College Credits	Requirements	Priority List (AHD)	Cost	Payment Due
English	Trine	ENG143	College Composition	ENG/TRIN 143	3	3.0 GPA or teacher recommendation	Yes	$75	Online through college student account
English	Trine	ENG153	Introduction to Literature	ENG/TRIN153	3	3.0 GPA or teacher recommendation	Yes	$75	Online through college student account
English	Trine	ENG 203	Effective Speaking	SPEECH/TRIN 203	3	3.0 GPA or teacher recommendation	Yes	$75	Online through college student account
Math	Ivy Tech	MATH 136	PreCalculus	PreCal/IVY136	3	Knowledge Assessment: 70	Yes	Free	None
Math	Ivy Tech	MATH 137	Trigonometry	Trig/IVY137	3	Knowledge Assessment: 70	Yes	Free	None
Math	PFW	MA 16500	Analytic Geometry and Calculus	CALC/PFW 16500	4	Precalculus, and Grades of "B" or higher in previous math courses	Yes	$100 (Free or reduced – Free)	Online through college student account
Social Studies	Trine	HIS 203	World Civilization I	WLDH/TR 203	3	3.0 GPA or teacher recommendation	No	$75	Online through college student account
Social Studies	Trine	HIS 213	World Civilization II	WLDH/TR 213	3	3.0 GPA or teacher recommendation	No	$75	Online through college student account
Social Studies	Trine	HIS 103	American History I	HIS/TRIN 103	3	3.0 GPA or teacher recommendation	Yes	$75	Online through college student account
Social Studies	Trine	HIS 113	American History II	HIS/TRIN 113	3	3.0 GPA or teacher recommendation	Yes	$75	Online through college student account
Social Studies	Trine	GOV 113	Introduction to Government	GOV/TRIN 113	3	3.0 GPA or teacher recommendation	Yes	$75	Online through college student account
Science	Ivy Tech	CHEM 101	Introduction to Chemistry	CHEM II/IVY101	3	GPA of 2.6 or higher, 70+ KA score	Yes	Free	None
Science	Ivy Tech	BIO 101	Introduction to Biology	BIOII/IVT101	3	GPA of 2.6 or higher	Yes	Free	None
Agriculture	Ivy Tech	AGRI 103	Animal Science	ANMLSCI/IVY 103	3	Introduction to Agriculture	Yes	Free	None
Agriculture	Ivy Tech	AGRI 104	Food Science	FOODSCI/IVY 104	3	Introduction to Agriculture	Yes	Free	None
Agriculture	Ivy Tech	AGRI 116	Survey of Horticulture	HORTSCI/IVY 116	3	Introduction to Agriculture	Yes	Free	None
Agriculture	Ivy Tech	AGRI 164	Landscape Design I	LANDMGMT/IVY 164	3	Introduction to Agriculture	Yes	Free	None
Agriculture	Ivy Tech	AGRI 102	Ag Business and Farm Management	AGBUS/IVY102	3	Introduction to Agriculture	Yes	Free	None
Math	PFW	MA 140	Practical Quantitative Reasoning	QR/CC PFW	3	Algebra II, Grades of "B" or higher in previous math courses	Yes	$75 (Free or reduced – Free)	Online through college student account
Agriculture	Ivy Tech	AGRI 107	Advanced Animal Science	ALS/AGRI107	3	Introduction to Agriculture	Yes	Free	None

APPENDIX B

Quantitative Reasoning Courses

- For the Core 40, Academic Honors (AHD), and Technical Honors (THD) diplomas, students must take a mathematics course or a quantitative reasoning course each year they are enrolled in high school.
- For the General Diploma, students must earn two credits in a mathematics course or a quantitative reasoning course during their junior or senior year.
- A quantitative reasoning course is a high school course that "advances a student's ability to apply mathematics in real world situations and contexts" and that "deepens a student's understanding of high school mathematics standards."
- The tables below provide a list of courses that have been determined to meet the criteria for quantitative reasoning courses for 2023-2024.
- It is important to note that West Noble may not offer all the courses listed below, courses that are currently offered are highlighted in the list.

Advanced Placement

Title/Description	Course Number
AP Biology	3020
AP Chemistry	3060
AP Computer Science A	4570
AP Environmental Science	3012
AP Computer Science Principles	4568
AP Macroeconomics	1564
AP Microeconomics	1566
AP Physics B	3080
AP Physics 1: Algebra Based	3080
AP Physics 2: Algebra- Based	3080
AP Physics C	3088

Agriculture

Title/Description	Course Number
Advanced Life Science, Animals	5070
Advanced Life Science, Foods	5072
Agribusiness Management	5002
Landscape Management	5136
Advanced Life Science, Plants and Soils	5074
Landscape Management II	5137

Business, Marketing, and Information Technology

Title/Description	Course Number
Advanced Accounting	4522
Banking and Investment Capstone	5258
Business Math	4522
Computer Science III: Databases	5250
Computer Science III: Software Development	5249
Computer Science I	4801
Computer Science II	5236
Computer Science II: Informatics	5251
Computer Science III: Cybersecurity Capstone	5253
Global Economics	4558
Personal Financial Responsibility	4540

Engineering and Technology

TITLE/DESCRIPTION	COURSE NUMBER (PLTW)	COURSE NUMBER (non-PLTW)
Aerospace Engineering	4816	5518
Civil Engineering and Architecture	4820	5650
Computer Integrated Manufacturing	4810	5534
Digital Electronics	4826	5538
Engineering Design and Development	4828	5698
Principles of Engineering	4814	5644

Family and Consumer Sciences

Title/Description	Course Number
Biochemistry of Foods	5344
Consumer Economics	5334
Personal Financial Responsibility	4540

Science

Title/Description	Course Number
Chemistry I	3064
Chemistry II	3066
Integrated Chemistry-Physics	3108
Physics I	3084
Physics II	3086

Social Studies

Title/Description	Course Number
Economics	1514

CTE- Trade and Industry

Title/Description	Course Number
Advanced Manufacturing II	5606
Architectural Drafting and Design II	5652
Automation and Robotics II	5612
Aviation Maintenance II	5522
Construction Technology: Electrical II	4832
Construction Technology: HVAC II	5498
Construction Trades II	5578
Diesel Services II	5624
Electronics and Computer Technology II	5694
Industrial Repair and Maintenance II	5688
Mechanical Drafting and Design II	4838
Precision Machining I	5782
Precision Machining II	5784

APPENDIX C

CTE Concentrator courses for the class of 2024

Students fulfilling their box 3 requirement by earning CTE concentrator status must choose one group of classes, and complete all classes listed in that group with a grade of "C" or higher.

Agriculture Power, Structure and Technology Systems		
Agriculture Power, Structure & Technology	2 Total Credits	Grades 10, 11, 12
Agribusiness Management	2 Total Credits	Grades 11, 12

Animal Systems		
Advanced Life Science: Animals	2 Total Credits	Grades 10, 11, 12
Agribusiness Management	2 Total Credits	Grades 11, 12

Horticulture & Landscape		
Horticulture Science	2 Total Credits	Grades 10, 11, 12
Landscape Management	2 Total Credits	Grades 11, 12

Construction **(Offered at Impact Institute and Wawasee Pathways)**		
Construction Trades I	2 Credit minimum	Grade 11
Construction Trades II	2 Credit minimum	Grade 12

HVAC **(Offered at Impact Institute)**		
Construction Technology HVAC I	2 Credit minimum	Grade 11
Construction Technology HVAC II	2 Credit minimum	Grade 12

Interactive Media **(Offered at Impact Institute)**		
Interactive Media	2 Credit minimum	Grade 11
Graphic Design & Layout	2 Credit minimum	Grade 12

Radio & TV **(Offered at Wawasee Pathways)**		
Radio & Television I	2 Credit minimum	Grade 11
Radio & Television II	2 Credit minimum	Grade 12

Entrepreneurship: Business Management Focus		
Principles of Business Management	2 Total Credits	Grade 10, 11, 12
Entrepreneurship	2 Total Credits	Grades 11, 12

Office Management		
Principles of Business Management	2 Total Credits	Grade 10, 11, 12
Administrative and Office Management	2 Total Credits	Grades 11, 12

Education Careers		
Education Professions I	2 Total Credits	Grade 11
Education Professions II	2 Total Credits	Grade 12

Nursing (Offered at Impact Institute and Wawasee Pathways)		
Health Science Education I (C.N.A.)	2 Credit minimum	Grade 11
Health Science Education II (H.O.E.)	2 Credit minimum	Grade 12

Veterinary Careers (Offered at Wawasee Pathways)		
Veterinary Careers I	2 Credit minimum	Grade 11
Veterinary Careers II	2 Credit minimum	Grade 12

Cosmetology (Offered at Impact Institute and Wawasee Pathways)		
Cosmetology I	2 Credit minimum	Grade 11
Cosmetology II	2 Credit minimum	Grade 12

Culinary Arts (Offered at Impact Institute and Wawasee Pathways)		
Culinary Arts & Hospitality I	2 Credit minimum	Grade 11
Culinary Arts & Hospitality II	2 Credit minimum	Grade 12

Human & Social Services		
Human & Social Services I	2 Total Credits	Grade 11
Human & Social Services II	2 Total Credits	Grade 12

Machine Technology (Offered at Impact Institute)		
Precision Machining I	2 Credit minimum	Grade 11
Precision Machining II	2 Credit minimum	Grade 12

Welding (Offered at Impact Institute and Wawasee Pathways)		
Welding Technology I	2 Credit minimum	Grade 11
Welding Technology II	2 Credit minimum	Grade 12

EMT/Paramedic (Offered at Wawasee Pathways)		
Health Science Education I (C.N.A.)	2 Credit minimum	Grade 11
Emergency Medical Services	2 Credit minimum	Grade 12

EMT/Paramedic: Fire (Offered at Wawasee Pathways)		
Emergency Medical Services	2 Credit minimum	Grade 12
Fire and Rescue I	2 Credit minimum	Grade 11

Auto Collision (Offered at Impact Institute)		
Automotive Collision Repair I	2 Credit minimum	Grade 11
Automotive Collision Repair II	2 Credit minimum	Grade 12

Auto Tech (Offered at Impact Institute and Wawasee Pathways)		
Automotive Services Technology I	2 Credit minimum	Grade 11
Automotive Services Technology II	2 Credit minimum	Grade 12

Recreation & Mobile Equipment (Offered at Impact Institute and Wawasee Pathways)		
Recreation & Mobile Equipment I	2 Credit minimum	Grade 11
Recreation & Mobile Equipment II	2 Credit minimum	Grade 12

APPENDIX C

CTE Concentrator courses for classes of 2025 and beyond:

*Students in the class of 2024 may opt-in to these courses, with counselor approval.

Students fulfilling their box 3 requirement by earning CTE concentrator status must choose one group of classes, and complete all classes listed in that group with a grade of "C" or higher.

Agriscience: Animals			
Principles Course	Principles of Agriculture	2 Total Credits	Grades 9, 10, 11, 12
Concentrator A Course	Animal Science	2 Total Credits	Grades 10, 11, 12
Concentrator B Course	Advanced Life Science: Animals	2 Total Credits	Grades 11, 12

Agriscience: Combined Animal and Food			
Principles Course	Principles of Agriculture	2 Total Credits	Grades 9, 10, 11, 12
Concentrator A Course	Animal Science	2 Total Credits	Grades 10, 11, 12
Concentrator B Course	Food Science	2 Total Credits	Grades 10, 11, 12

Landscaping			
Principles Course	Principles of Agriculture	2 Total Credits	Grades 9, 10, 11, 12
Concentrator A Course	Horticultural Science	2 Total Credits	Grades 10, 11, 12
Concentrator B Course	Landscape and Turf Management	2 Total Credits	Grades 10, 11, 12

Engineering			
Principles Course	Introduction to Engineering Design	2 Total Credits	Grades 9, 10, 11, 12
Concentrator A Course	Principles of Engineering	2 Total Credits	Grade 10, 11, 12
Concentrator B Course	Civil Engineering and Architecture	2 Total Credits	Grade 11, 12

Construction Trades: Carpentry **(Offered at Impact Institute and Wawasee Pathways)**			
Principles Course	Principles of Construction Trades	2 Total Credits	Grades 11, 12
Concentrator A Course	Construction Trades: General Carpentry	2 Total Credits	Grades 11, 12
Concentrator B Course	Construction Trades: Framing and Finishing	2 Total Credits	Grades 11, 12

Heating, Ventilation, and Air Conditioning **(Offered at Impact Institute)**			
Principles Course	Principles of HVAC	2 Total Credits	Grades 11, 12
Concentrator A Course	HVAC Fundamentals	2 Total Credits	Grades 11, 12
Concentrator B Course	HVAC Service	2 Total Credits	Grades 11, 12

Radio and Television Broadcasting

(Offered at Wawasee Pathways)

Principles Course	Principles of Broadcasting	2 Total Credits	Grades 11, 12
Concentrator A Course	Audio and Video Production Essentials	2 Total Credits	Grades 11, 12
Concentrator B Course	Mass Media Production	2 Total Credits	Grades 11, 12

Digital Design

(Offered at Impact Institute)

Principles Course	Principles of Digital Design	2 Total Credits	Grades 11, 12
Concentrator A Course	Digital Design Graphics	2 Total Credits	Grades 11, 12
Concentrator B Course	Interactive Media Design	2 Total Credits	Grades 11, 12

Education Careers

Principles Course	Principles of Teaching	2 Total Credits	Grades 9, 10, 11, 12
Concentrator A Course	Child and Adolescent Development	2 Total Credits	Grades 10, 11, 12
Concentrator B Course	Teaching and Learning	2 Total Credits	Grades 10, 11, 12

Business Administration

Principles Course	Principles of Business Management	2 Total Credits	Grades 9, 10, 11, 12
Concentrator A Course	Management Fundamentals	2 Total Credits	Grades 10, 11, 12
Concentrator B Course	Accounting Fundamentals	2 Total Credits	Grades 10, 11, 12

Entrepreneurship

Principles Course	Principles of Entrepreneurship	2 Total Credits	Grades 9, 10, 11, 12
Concentrator A Course	New Venture Development	2 Total Credits	Grades 10, 11, 12
Concentrator B Course	Small Business Operations	2 Total Credits	Grades 10, 11, 12

Pre-Nursing/Healthcare Specialist

(Offered at Impact Institute and Wawasee Pathways)

Principles Course	Principles of Healthcare	2 Total Credits	Grades 11, 12
Concentrator A Course	Medical Terminology	2 Total Credits	Grades 11, 12
Concentrator B Course	Healthcare Specialist: C.N.A.	2 Total Credits	Grades 11, 12

Veterinary Science

(Offered at Wawasee Pathways)

Principles Course	Principles of Veterinary Science	2 Total Credits	Grades 11, 12
Concentrator A Course	Veterinary Science	2 Total Credits	Grades 11, 12
Concentrator B Course	Advanced Life Science; Animals	2 Total Credits	Grades 11, 12

Human and Social Services			
Principles Course	Principles of Human Services	2 Total Credits	Grades 9, 10, 11, 12
Concentrator A Course	Understanding Diversity	2 Total Credits	Grades 10, 11, 12
Concentrator B Course	Relationships and Emotions	2 Total Credits	Grades 10, 11, 12

Cosmetology (Offered at Impact Institute and Wawasee Pathways)			
Principles Course	Principles of Barbering and Cosmetology	2 Total Credits	Grades 11, 12
Concentrator A Course	Barbering and Cosmetology Fundamentals	2 Total Credits	Grades 11, 12
Concentrator B Course	Advanced Cosmetology	2 Total Credits	Grades 11, 12

Culinary Arts (Offered at Impact Institute and Wawasee Pathways)			
Principles Course	Principles of Culinary Arts and Hospitality	2 Total Credits	Grades 11, 12
Concentrator A Course	Nutrition	2 Total Credits	Grades 11, 12
Concentrator B Course	Culinary Arts	2 Total Credits	Grades 11, 12

Electronics and Computer Technology (Offered at Wawasee Pathways)			
Principles Course	Introduction to Engineering Design	2 Total Credits	Grades 11, 12
Concentrator A Course	Electronic Fundamentals	2 Total Credits	Grades 11, 12
Concentrator B Course	Digital Electronics	2 Total Credits	Grades 11, 12

Precision Machining (Offered at Impact Institute)			
Principles Course	Principles of Precision Machining	2 Total Credits	Grades 11, 12
Concentrator A Course	Precision Machining Fundamentals	2 Total Credits	Grades 11, 12
Concentrator B Course	Advanced Precision Machining	2 Total Credits	Grades 11, 12

Welding (Offered at Impact Institute and Wawasee Pathways)			
Principles Course	Principles of Welding Technology	2 Total Credits	Grades 11, 12
Concentrator A Course	Shielded Metal Arc Technology	2 Total Credits	Grades 11, 12
Concentrator B Course	Gas Welding Processes	2 Total Credits	Grades 11, 12

Criminal Justice (Offered at Impact Institute)			
Principles Course	Principles of Criminal Justice	2 Total Credits	Grades 11, 12
Concentrator A Course	Law Enforcement Fundamentals	2 Total Credits	Grades 11, 12
Concentrator B Course	Corrections and Cultural Awareness	2 Total Credits	Grades 11, 12

Emergency Medical Services (Offered at Wawasee Pathways)			
Principles Course	Principles of Healthcare	2 Total Credits	Grades 11, 12
Concentrator A Course	Medical Terminology	2 Total Credits	Grades 11, 12
Concentrator B Course	Emergency Medical Tech	2 Total Credits	Grades 11, 12

Fire and Rescue (Offered at Wawasee Pathways)			
Principles Course	Principles of Fire and Rescue	2 Total Credits	Grades 11, 12
Concentrator A Course	Fire Fighting Fundamentals	2 Total Credits	Grades 11, 12
Concentrator B Course	Advanced Fire Fighting	2 Total Credits	Grades 11, 12

Automotive Services (Offered at Impact Institute and Wawasee Pathways)			
Principles Course	Principles of Automotive Services	2 Total Credits	Grades 11, 12
Concentrator A Course	Brake Systems	2 Total Credits	Grades 11, 12
Concentrator B Course	Steering and Suspensions	2 Total Credits	Grades 11, 12

Automotive Collision Repair (Offered at Impact Institute)			
Principles Course	Principles of Collision Repair	2 Total Credits	Grades 11, 12
Concentrator A Course	Automotive Body Repair	2 Total Credits	Grades 11, 12
Concentrator B Course	Plastic Body Repair and Painting	2 Total Credits	Grades 11, 12

Industry 4.0- Advanced Manufacturing (Offered at Impact Institute)			
Principles Course	Principles of Industry 4.0- Smart Manufacturing	2 Total Credits	Grades 11, 12
Concentrator A Course	Robotics Design and Innovation	2 Total Credits	Grades 11, 12
Concentrator B Course	Smart Manufacturing Systems	2 Total Credits	Grades 11, 12

Computer Science: Computer Tech Support (Offered at Wawasee Pathways)			
Principles Course	Principles of Computing	2 Total Credits	Grades 11, 12
Concentrator A Course	Topics in Computer Science	2 Total Credits	Grades 11, 12
Concentrator B Course	Computer Science	2 Total Credits	Grades 11, 12