Dear Fort Wayne Community Schools students, staff and parents,

I am pleased to present the 2021-2022 High School Course Handbook. This publication describes the Fort Wayne Community high school graduation requirements and various options for earning credit toward a high school diploma in FWCS. It has been developed as a resource serving two purposes: the first is to inform students and parents about the requirements for earning a diploma and the second is to outline the courses, policies and procedures to support students in meeting those requirements. Local boards of education have the flexibility to establish high school graduation requirements that meet or exceed these minimum requirements. We hope this information will be valuable to you.

The mission of FWCS is to educate all students to high standards, enabling them to become productive, responsible citizens. For students to reach and succeed their academic potential, it is important that we provide equitable and rigorous courses that align with current graduation pathways.

At FWCS, We Are Your Schools. We are committed to supporting our students so each of them are career and/or college bound upon graduation completion.

Yours in Education,

D. Faye Williams-Robbins J.D.
Deputy Superintendent

MISSION

Fort Wayne Community Schools educates all students to high standards enabling them to become productive, responsible citizens.

VISION

Fort Wayne Community Schools will be the school system of choice and a source of community pride.
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## 2021-2022 HIGH SCHOOL CONTACT INFORMATION

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<tr>
<th>SCHOOL PHONE NUMBER</th>
<th>CONTACT</th>
<th>TITLE</th>
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| **Career Academy at Anthis**  
260-467-1010 | Jesse Webb  
Grady Pruitt & Riley Johnson  
Tamara Searer-Jenkins | Principal  
Assistant Principal, Curriculum & Scheduling  
Guidance Coordinator |
| **North Side**  
260-467-2800 | David West  
Ashley Finneran  
Matt Liepold | Principal  
Assistant Principal, Curriculum & Scheduling  
Guidance Coordinator |
| **Northrop**  
260-467-2300 | Barbara Ahlersmeyer  
Cleve Million & Robb Robison  
Dante Lowery | Principal  
Assistant Principal, Curriculum & Scheduling  
Guidance Coordinator |
| **Snider**  
260-467-4600 | Chad Hissong  
Angela Lockhart & Derek Leininger  
Adrienne Shroyer | Principal  
Assistant Principal, Curriculum & Scheduling  
Guidance Coordinator |
| **South Side**  
260-467-2600 | Adam Swinford  
April Castator  
Christina McKinnis | Principal  
Assistant Principal, Curriculum & Scheduling  
Guidance Coordinator |
| **Wayne**  
260-467-6400 | John Houser  
Chuck DeFord  
Ron Wilkins | Principal  
Assistant Principal, Curriculum & Scheduling  
Guidance Coordinator |
# Summary of Diploma Requirements

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<tr>
<th>English/Language Arts</th>
<th>Core 40</th>
<th>Technical Honors</th>
<th>Academic Honors</th>
<th>Graduation Pathways (Beginning with class of 2023)</th>
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<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
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</tbody>
</table>

| Math                  | 6       | 6                | 8               | 6                                                |

| Science               | 6       | 6                | 6               | 6                                                |
|                       | (Biology and Chemistry, Physics or ICP plus any 2 additional Core 40 science credits) | (Biology and Chemistry, Physics or ICP plus any 2 additional Core 40 science credits) | (Biology and Chemistry, Physics or ICP plus any 2 additional Core 40 science credits) | (Biology and Chemistry, Physics or ICP plus any 2 additional Core 40 science credits) |

| Social Studies        | 6       | 6                | 6               | 6                                                |

| World Language        | 0       | 0                | 6 or 8          | 0                                                |
|                       |         |                  | (6 credits in 1 language or 4 credits in 2 languages) | 0 |

| Fine Arts             | 0       | 0                | 2               | 0                                                |
|                       |         |                  |                 | 0 |

| Physical Education    | 2       | 2                | 2               | 2                                                |

| Health & Wellness     | 1       | 1                | 1               | 1                                                |

| Directed Electives    | 5       | 6                | 0               | 5                                                |
|                       | (World Language, Fine Arts, or CTE) | (Career Pathway) |                  | (World Language, Fine Arts, or CTE) |

| Electives             | 6       | 12               | 6 or 8          | 6                                                |

| Minimum Number of Credits to Graduate | 40 | 47 | 47 | 40 |

| Additional Requirements | Complete the course requirements outlined above AND pass a Graduation Qualifying Assessment | Complete the course requirements outlined above AND pass Graduation Qualifying Assessment AND complete approved Career Pathway AND earn a "C" or better in all THD classes AND earn an overall GPA of "B" or higher AND earn one of the following: - a career certification/credential; - 6 transcripted college (dual) credits AND one of the following: - any one o the AHD criteria; - qualifying scores on the Work Keys; - qualifying scores on the Accuplacer; OR - qualifying scores on the Compass | Complete the course requirements outlined above AND pass Graduation Qualifying Assessment AND earn a "C" or better in all AHD classes AND earn an overall GPA of "B" or higher AND complete one of the following: - earn 4 credits in 2 or more AP courses; - earn 4 credits in IB courses; - earn 6 transcripted college (dual) credits; - score 1250 or higher on the SAT with 560 or higher on math section and 590 or higher on Read/Write section; OR - score 26 or higher composite score on the ACT and complete the ACT writing section | Complete the course requirements outlined above AND complete one of the following: - a Work Place Experience - a Project-Based Learning Project; OR - a Service Learning Experience AND achieve one of the following: - current Honors Diploma Requirements; - an industry credential; - a Career Pathway Concentration; - a career apprenticeship; - a locally created pathway approved by SBOE; - a "C" average or higher in 3 or more college level courses (AP/IB/Dual Credit/Cambridge International); - OR achieve a qualifying score on one of the following: SAT, ACT, ASVAB, or CLEP |
**APPLIED SKILLS CERTIFICATE OF COMPLETION**

A Certificate of Completion is an option for special education students with a significant cognitive disability. Students who are working toward a Certificate of Completion participate in graduation ceremonies with their general education peers and there is no distinction made between a diploma and certificate at the ceremonies. Vocational training programs are available within the certificate of completion course work. Students participate in a variety of job shadowing/training experiences while building a resume of employable job skills.

Students working towards a certificate of completion do not take the regular state assessment and will not need to meet the requirements for the graduation pathways. Students working towards a certificate of completion will be assessed on the Indiana alternate assessment, (IAM), by their teacher of record. Students who have not earned a regular high school diploma may continue their education in the Young Adult Transition (YAT) Program or other adult education programs through the school year in which the student turns age twenty-two (22).

<table>
<thead>
<tr>
<th><strong>Indiana Certificate of Completion</strong></th>
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<tbody>
<tr>
<td>Effective with the students who enter high school in 2019-2020 school year (class of 2023).</td>
</tr>
<tr>
<td>The Course of Study for the Certificate of Completion is a framework for aligning curriculum to grade level standards while meeting the individual goals and transition needs stated in the student's Individual Education Plan (IEP).</td>
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</table>

| Minimum total 40 credits/applied units: It is expected that these requirements are met through enrollment in a combination of general education courses for credit; modified general education courses in which non-credit applied units are earned and special education courses in which non-credit applied units are earned. |

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<tr>
<th><strong>English/Language Arts</strong></th>
<th>8 credits/applied units</th>
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<tbody>
<tr>
<td>Including a balance of literature, composition, vocabulary, speech/communication</td>
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<tr>
<td><strong>Mathematics</strong></td>
<td>4 credits/applied units</td>
</tr>
<tr>
<td>Including a balance of numbers sense, expressions, computation, data analysis, statistics, probability, equations and inequalities and personal finance. Student must take a math or applied math course each year in high school.</td>
<td></td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>4 credits/applied units</td>
</tr>
<tr>
<td>Including a balance of physical, earth/nature, life, engineering and technology</td>
<td></td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>4 credits/applied units</td>
</tr>
<tr>
<td>Including a balance of history, civics and government, geography, economics</td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>2 credits/applied units</td>
</tr>
<tr>
<td><strong>Health &amp; Wellness</strong></td>
<td>1 credit/applied unit</td>
</tr>
<tr>
<td><strong>Employability</strong></td>
<td>10 credits/applied units</td>
</tr>
<tr>
<td>Job exploration, work or project-based learning experiences, employability skills (mindsets, self-management, learning strategies, social, work place), portfolio creation, introduction to post-secondary options.</td>
<td></td>
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<tr>
<td><strong>Electives</strong></td>
<td>7 credits/applied units</td>
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**Certificate of Completion Transition Portfolio**

Students earning a certificate of completion fulfill at least one of the following (aligned with transition goals):

1. Career Credential: Complete an industry-recognized certification, one-year certificate or state-approved alternative
2. Career Experience: Complete project- or work-based learning experience or part-time employment
3. Work Ethic Certificate: Earn a Work Ethic Certificate (criteria to be locally determined)
4. Other Work Related Activities: As determined by the case conference committee

Mirrors regular diploma requirements (minimum 40 applied units or credits with emphasis on academics)
Employability Skills are an integral part of the plan
Transition portfolio is a requirement
Can be earned through any combination of applied units and credits Aligned with Statewide Assessment (IAM or ILEARN)
2021-2022 Approved Applied Courses- Titles and Descriptions

Career Cluster: CTE

Applied Adult Roles and Responsibilities
FCHAR40301
Recommended Grade: 9, 10, 11, 12
Required Prerequisites: None
Recommended Prerequisites: None
Applied Units: 2 units maximum
Counts as an elective or Employability Requirement for the Certificate of Completion

Applied Adult Roles and Responsibilities is recommended for all students as life foundations and academic enrichment 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 or community-based approach that utilizes problem solving skills, communication, leadership, self-determination skills, management processes, and fundamentals to college, career and community membership success. Service learning and other authentic applications are strongly recommended.

Applied Preparing for College and Careers
FCHPC40302
Recommended Grade: 9, 10, 11, 12
Required Prerequisites: None
Recommended Prerequisites: None
Applied Units: 2 units maximum

Applied Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today’s choices on tomorrow’s possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project-based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real-life experiences, is recommended. Counts as an Elective or Employability for the Certificate of Completion.

Applied Digital Applications and Responsibility
BEHB340100
Recommended Grade: 11, 12
Required Prerequisites: None
Recommended Prerequisites: None
Applied Units: 4 units maximum
Counts as an elective or Employability requirement for the Certificate of Completion

Applied Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software and may use highly specialized or individualized technology or software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision-making and problem-solving skills. Students may be provided with the opportunity to seek industry-recognized digital literacy certifications.

Applied Business Math
BEHM140102
Recommended Grade: 10, 11, 12
Required Prerequisites: None
Recommended Prerequisites: None
Applied Units: 4 units maximum
Applied Business Math is a 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 application of money management skills, navigating industry specific technology and apps, establishing and managing budgets, and maintaining inventory for products and other necessary skills that provides the foundation for students interested in careers in business related fields and everyday life. The content includes basic mathematical operations related to accounting, banking and finance, marketing, management, and retail. Instructional strategies should include simulations, guest speakers, tours, Internet research, and business experiences Counts as an Elective for the Certificate of Completion. Fulfills a Mathematics requirement for the Certificate of Completion.

Applied Nutrition and Wellness  
FCHN14031  
Recommended Grade: 9, 10, 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 2 units maximum

Applied Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment. This is a nutrition class that introduces students to 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, self-determination, and 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. Counts as an Employability Requirement or Elective for the Certificate of Completion.

Applied Interpersonal Relationships  
FCHI140301  
Recommended Grade: 9, 10, 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 2 units maximum  
Counts as an Employability Requirement or elective for the Certificate of Completion

Applied Interpersonal Relationships is an introductory course that is relevant for students interested in careers that involve interacting with people and for everyday life relationships. This course addresses knowledge and skills needed for positive and productive relationships in career, community, and family settings. Major course topics include communication skills; leadership, self-determination, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships. A project or community-based approach is recommended in order to apply these topics of interpersonal relationships. This course provides a foundation for all careers and everyday life relationships that involve interacting with people both inside and outside of a business/organization, including team members, clients, patients, customers, the general public, family and friends.

English/Language Arts

Applied English 9  
LAHE140102  
Recommended Grade: 9, 10  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 4 units maximum

Applied English 9 is an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, argumentative/persuasive compositions, and research tasks when appropriate. Students deliver ability-appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information. Counts as an English/Language Arts Requirement for the Certificate of Completion.
Applied English 10
LAHE240102
Recommended Grade: 9, 10
Required Prerequisites: None
Recommended Prerequisites: None
Applied units: 4 units maximum

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

Applied English 11
LAHE340102
Recommended Grade: 11, 12
Required Prerequisites: None
Recommended Prerequisites: None
Applied units: 4 units maximum

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

Applied English 12
LAHE440102
Recommended Grade: 11, 12
Required Prerequisites: None
Recommended Prerequisites: None
Applied units: 4 units maximum

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

Health and Wellness

Applied Health and Wellness Education
HEHH140302
Recommended Grade: 9, 10, 11, 12
Required Prerequisites: None
Recommended Prerequisites: None
Applied Units: 2 units maximum
Applied Health & Wellness, a course based on Indiana’s Academic Standards for Health & Wellness and provides the basis to help students adopt and maintain healthy behaviors. Health education should contribute directly to a student’s ability to successfully practice behaviors that protect and promote health and avoid or reduce health risks. Through a variety of instructional strategies, students practice the development of functional health information (essential concepts); determine personal values that support health behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course includes the application of priority areas in a planned, sequential, comprehensive health education curriculum. Priority areas include: promoting personal health and wellness, physical activity, and healthy eating; promoting safety and preventing unintentional injury and violence; promoting mental and emotional health, a tobacco-free lifestyle and an alcohol- and other drug-free lifestyle; and promoting human development and family health. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills. Counts as an Elective or Health & Wellness requirement for the Certificate of Completion.

**Mathematics**

**Applied Algebra I**  
MAHA140102  
Recommended Grade: 9, 10, 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 4 units maximum

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

**Applied Geometry**  
MAHG140102  
Recommended Grade: 9, 10, 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 4 units maximum

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

**Multidisciplinary**

**Applied Basic Skills Development**  
MDHB340100  
Recommended Grade: 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 8 units maximum

Applied Basic Skills Development is a multidisciplinary course that provides students continuing opportunities to develop basic skills including: (1) reading, (2) writing, (3) listening, (4) speaking, (5) mathematical computation, (6) note taking, (7) study and organizational skills, and (8) problem-solving skills, (9) employability skills, which are essential for high school achievement and post-secondary outcomes. Determination of the skills to be emphasized in this course is based on Indiana’s standards and Content Connectors, individual school corporation general curriculum plans, and the student’s Individualized Education Programs (IEP) or other individualized plans. Skills selected for developmental work provide students with the ability to continue to learn in a range of different life situations and may be applied using instructional practices related to community-based instruction. Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion.
Applied Career Information and Exploration  
MDHC140100  
Recommended Grade: 9, 10, 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 4 units maximum  

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

Applied Career Exploration Internship  
MDHC340100  
Recommended Grade: 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 4 units maximum  
Counts as an Employability Requirement, Capstone Course or elective for the Certificate of Completion  
Note: This course is exploratory in nature and, as such, does not qualify for reimbursement under the career and technical education funding formula.

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

Physical Education

Applied Physical Education I (L)  
PEHP140302  
Recommended Grade: 9, 10, 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 2 units maximum  

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

Applied Physical Education II  
PEHP240302  
Recommended Grade: 9, 10, 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 2 units maximum  

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

**Applied Biology I**  
SCHB140102  
Recommended Grade: 9, 10, 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 4 units maximum

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

**Applied Earth and Space Science I**  
SCHS140102  
Recommended Grade: 9, 10, 11, 12  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 4 units maximum

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

**Social Studies**

**Applied Geography and History of the World**  
SSHG140102  
Recommended Grade: None  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 4 units maximum

Applied Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to apply their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions. Geographical and historical skills include forming research questions, acquiring information by investigating a variety of sources, organizing information by creating graphic representations, analyzing information to understand, determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. Students use the knowledge, tools, and skills obtained from this course in order to understand, analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century. Counts as a Social Studies Requirement or Elective for the Certificate of Completion.

**Applied Indiana Studies**  
SSHI140302  
Recommended Grade: None  
Required Prerequisites: None  
Recommended Prerequisites: None  
Applied Units: 2 units maximum

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions. Counts as a Social Studies Requirement or Elective for the Certificate of Completion.
Applied United States History
SHH140102
Recommended Grade: None
Required Prerequisites: None
Recommended Prerequisites: None
Applied Units: 4 units maximum

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

Fort Wayne Community Schools uses a universal grading scale throughout the district. The chart below shows the grading scale used by all teachers.

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percent</th>
<th>HS GPA Quality Points</th>
<th>Key Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>98 - 100</td>
<td>4.33</td>
<td>12</td>
</tr>
<tr>
<td>A</td>
<td>95 - 97</td>
<td>4.00</td>
<td>11</td>
</tr>
<tr>
<td>A-</td>
<td>93 - 94</td>
<td>3.67</td>
<td>10</td>
</tr>
<tr>
<td>B+</td>
<td>90 - 92</td>
<td>3.33</td>
<td>9</td>
</tr>
<tr>
<td>B</td>
<td>86 - 89</td>
<td>3.00</td>
<td>8</td>
</tr>
<tr>
<td>B-</td>
<td>84 - 85</td>
<td>2.67</td>
<td>7</td>
</tr>
<tr>
<td>C+</td>
<td>81 - 83</td>
<td>2.33</td>
<td>6</td>
</tr>
<tr>
<td>C</td>
<td>77 - 80</td>
<td>2.00</td>
<td>5</td>
</tr>
<tr>
<td>C-</td>
<td>75 - 76</td>
<td>1.67</td>
<td>4</td>
</tr>
<tr>
<td>D+</td>
<td>73 - 74</td>
<td>1.33</td>
<td>3</td>
</tr>
<tr>
<td>D</td>
<td>71 - 72</td>
<td>1.00</td>
<td>2</td>
</tr>
<tr>
<td>D-</td>
<td>70</td>
<td>0.67</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>69 and below 0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
KEY POINTS

- Grades are determined based on demonstrated performance and do not include extra credit, behavior, attendance or work habits. Only assessments measuring what a student knows according to course standards shall be included in calculating the grade.
- Non-academic factors (for example: behavior, attendance, attitude, punctuality and effort) are important and contribute to a student’s achievement but will not be a part of the academic grade. Two non-academic factors, work ethic and behavior, will be evaluated and reported on separately for each course on mid-term and final grade reports, in addition to course-by-course attendance and tardy information recorded.
- Academic formative assessments will account for 20 percent of a student’s course grade. Practice assessments include activities such as teacher observations, quizzes, homework, rough drafts, peer editing and notebook checks. Homework is a type of formative assessment, and formative assessment in total must count for 20 percent of student’s final grade.
- Summative assessments will account for 80 percent of the student’s course grade. Summative assessments are cumulative in nature and typically include unit tests, common assessments, semester exams and culminating projects, demonstrations, exhibitions, papers and labs.
- Students will be expected to complete missing coursework. Late coursework will be accepted as long as there is still an opportunity to learn from it and it occurs during the unit of study. There will be a one unit (e.g., from 12 to 11) reduction in the coursework grade per day (from A+ to A, A to A-, etc.) if the assignment is turned in past the due date, after which the student will receive a zero. Exceptions may occur at the teacher’s/principal’s discretion for prolonged absences or for coursework for which a due date for the work is irrelevant.
- Students will be given opportunities to redo/revise coursework within the unit of study, as mastery of material is what is important, not (within reason) when mastery occurs.
- Students must show they have completed some type of corrective (independent practice, peer tutoring, study-guides, additional reading or coursework, a review in class, etc.) before they will be afforded an opportunity to attempt an alternative assessment.
- Scores for student work after retaking, revising or redoing will not be averaged with the first attempt at coursework or assessment but will replace the original student score.

WEIGHTED GRADING SYSTEM

The weighted grading system is intended to reward and recognize academic rigor. In the weighted system, identified courses, such as Advanced Placement and college credit classes, will be weighted more heavily than other courses. The following guidelines will apply:

- Each identified course will carry an add-on of .025 for each semester when a grade of “C-” or higher is received.
- The add-on will be automatic and will be reflected on the transcript and in class rank.
- Students transferring from outside FWCS with GPA’s weighted from other schools will receive credit according to FWCS regulation only.
- Students taking college courses on a college campus may bring credit back to the high school for 1.0 weighted credit per semester class.

Identified courses for weighted grading credit at FWCS High Schools are all Advanced Placement courses and courses taken through SBP or Collegiate Connection or other college courses, which have been approved for weighted grading credit. To find out which classes have weighted grades, contact your high school guidance counselor.
HIGH SCHOOL CREDITS EARNED IN MIDDLE SCHOOL

If a student completed any of the following high school courses at middle school then one credit for each semester may be included on the high school transcript. A request for credit form can be obtained from the high school guidance office. Students must submit the request by the end of their sophomore year. If the signed request is not submitted in the designated time period, no high school credit will be awarded.

<table>
<thead>
<tr>
<th>Algebra I (MA1890)</th>
<th>Algebra II (MA1850)</th>
<th>Introduction to Business (BE1820)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish I (WL2120)</td>
<td>Spanish II (WL2122)</td>
<td>French I (WL2020)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>French II (WL2022)</td>
</tr>
</tbody>
</table>

The completion of Core 40 is an Indiana graduation requirement. To graduate with less than Core 40, 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 student in course selection) must meet to discuss the student’s progress.
- The student’s Graduation Plan (including four-year 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.

**General Diploma**

- If students retake Algebra I or Algebra II in high school to earn a higher grade or because they did not pass it in middle school, then the credits will count as mathematics credits toward the Core 40 Diploma. If students retake Algebra I or Algebra II, then their previous grade from middle school will still show on their transcript, if elected to transfer the grade but it will not be figured into their GPA; only the new grade earned in high school will be calculated.

- Mathematics courses taken before Grade 9 may not count toward the six mathematics credits required for graduation. Therefore, Algebra I or Algebra II (or higher-level mathematics courses) taken before ninth grade will count as elective credits, not mathematics credits. Students must earn a minimum of six mathematics credits in grades 9-12. All six credits must be earned while a student is enrolled in grades 9-12.

**All Diplomas**

- World language courses count as a Directed Elective or Elective for all diplomas and may be used to fulfill the world language requirement for the Academic Honors, Core 40 diploma.

- Introduction to Business counts as a Directed Elective or Elective for all diplomas

- A student may elect to have their course included on their middle school transcript, while opting out of having the credit included on their high school transcript. If a student wants the course listed on their transcript the student must complete a *Request for High School Credit for a Middle School Course* form, which can be found in the back of this handbook, to have the credit transferred onto their high school transcript.
SCHEDULING POLICIES AND PROCEDURES

Steps for Student Scheduling

- Parents and students should review the FWCS Course Description Handbook and complete the course selection sheet prior to the student meeting with a guidance counselor.
- Students will finalize selections with a counselor.
- Schedule changes will be made once tentative schedules have been distributed. Changes will be made during indicated times.
- All students are expected to attend registration.

Schedule Change Policy

Students and parent/guardian should be advised that schedule changes would be made only for the following reasons:

- A need to balance classes
- Errors made by the school in developing the schedule
- Medical reason with proper documentation
- Request to take courses to qualify for Core 40 or Academic Honors Diploma (AHD)
- Failure of a course required for graduation
- Failure to have the required prerequisite
- Student requests to attend full year rather than be a January graduate

The rationale for adhering to the above reasons for a schedule change is based on the expectation that the parent/guardian and student have carefully studied the FWCS Course Description Handbook in choosing the appropriate student program. Occasionally, there will be individual situations that arise which will need to be reviewed by a guidance counselor to determine whether a schedule change is needed. The student’s teacher, parent/guardian, and guidance counselor will consider these situations. A recommendation will be made to the assistant principal or the principal who will make the final decision.

Withdrawal from a Course

1. During registration in July, a student may request to withdraw from a course without penalty.

2. After the first week (five school days) of the semester, should the student wish to withdraw, the classroom teacher determines the status of the student’s grade at the time of withdrawal.

   The teacher may:
   - Choose to allow the student to withdraw without penalty. In such case, the student may be in the wrong level of a course or incapable of completing the requirements of the course because of extended illness. “WP” (Withdrawal Passing) is shown on the permanent record, and the course is not computed into the grade-point average (GPA).
   - Choose to assess a penalty grade for the semester with a “WF” (Withdrawal Failing) grade. The “WF” grade may be assessed when, in a teacher’s judgment, the student is capable of completing course requirements. A “WF” grade is computed into the student’s grade-point average as an “F” for the semester and is shown on the permanent record.

3. All schedule changes initiated by the student, such as level changes in Mathematics and English, are not considered as course withdrawals but should be requested during the first nine (9) weeks of classes in a new semester. This should be approved in collaboration with the present teacher, the new teacher of the subject area, as well as a guidance counselor and principal designee.

4. All discussion of withdrawal from a class must begin with the student, the classroom teacher and the student’s parent/guardian.

5. Occasionally, there will be situations that arise which will need to be reviewed by a guidance counselor to determine whether a schedule change is needed after the first week (five school days) deadline. These situations will be reviewed on an as-need basis. This may include changes to an Individual Education Plan (IEP).
SCHEDULING POLICIES AND PROCEDURES

Repeating Courses

The rationale for repeating a class is limited to improving the student’s understanding and achievement and/or improving the student’s ability to meet post-secondary goals. The transcript will show all grades, including both the original class and the second (retaken) course, with the higher of the two grades included in the GPA.

Students may retake a high school course if any of the following conditions are present:

- A student may be recommended by his/her guidance counselor to repeat a passed course for better understanding when the student is not adequately prepared for the next related course in the series.

To improve a grade of any kind the requirements are:

- A student must have a grade of not lower than a C- in any course qualifying for the AHD (except the course to be repeated), and an overall GPA of a 3.0 (B). When students meet the criteria and request to repeat a course in the next possible semester, the student, the student’s parents or guardians, and the counselor will make the decision. If the criteria are not met or there is a lapse of time before the student asks to repeat a course, the final decision to repeat a course will be made by the school principal.

Home school Transfer Procedure

This procedure implements Board Policy 5463, Transfer Credits. Fort Wayne Community Schools will evaluate the transcripts of students transferring into FWCS from a home school to determine appropriate courses and grade levels. Students in grades K-8 will be placed in age appropriate classrooms. For students in grades 9-12, FWCS will convene a committee consisting of the principal, department chair, a member of the student’s family, and an employee from the Community Engagement and Curriculum, Assessment and Instruction departments, as well as an employee of the Level Office to evaluate and determine course completion from the home school transcript and FWCS course enrollment. In addition to transcripts, parents must provide evidence to support their student’s completion of coursework; examples include textbooks, curriculum materials, correspondence program names and contacts, and transcripts from colleges.

Procedure:

1. Parents shall submit any and all pertinent materials, including but not limited to Indiana home school registration numbers, test results, attendance records, and the curriculum used by the home school.
2. FWCS will share the transcript prior to meeting and will have the committee review the transcript and the possible DOE Course Codes that could align to the courses already taken.
3. Committee members will cross-reference the transcript with the parent-requested grade-level checklist.
4. The committee will evaluate any standardized assessment scores examples – IOWA, Stanford 10, California Achievement Test, PSAT, SAT, ACT, etc.
5. If the student has not been administered a standardized assessment, then an approved achievement test consistent with the grade level expected for the student age shall be administered by a certified Fort Wayne Community Schools employee (IDOE suggestion and local decision; could be an interim assessment).
6. The committee will make a decision on what, if any, credit is to be given work done in the home school. Grades must be assigned to those courses that meet the General, Core 40, Core 40 with Academic Honors, or Core 40 with Technical Honors diploma requirements.
SCHEDULING POLICIES AND PROCEDURES

Public, Private, and Charter School Transfer Procedure

This procedure implements Board Policy 5463, Transfer Credits. When a new or returning student enters Fort Wayne Community Schools, guidance coordinators and/or counselors will work to ensure that students are enrolled in the appropriate classes based on the prior coursework in other schools. High school guidance coordinators and/or counselors as well as registrars will follow the steps below to ensure that new students are enrolled in the correct classes. According to Indiana Code (20-32-2-10), a school in Indiana receiving a request for enrollment documentation shall send the records promptly to the requesting school. In addition, if a parent of a child who has enrolled in an accredited nonpublic school is in breach of a contract that conditions release of student records on the payment of outstanding tuition and other fees, the accredited nonpublic school shall provide a requesting school sufficient verbal information to permit the requesting school to make an appropriate placement decision regarding the child.

Procedure:
1. Upon enrollment, a student’s transcript is provided to school from a parent/guardian or from another school the student was enrolled in.
2. A FWCS guidance coordinator and/or counselor will review the transcript, complete the diploma track checklist and align courses with accurate IDOE Course Codes. If the student is enrolling from a private school and a transcript was not provided, the coordinator or counselor will contact the private school to obtain a copy. If the private school is not able to provide transcripts, the coordinator or counselor shall contact the Advanced Placement and Dual Credit Curriculum Coordinator, and provide the following:
   - Student name
   - The name of the school the student is transferring from
   - Person you spoke to at the school about the transcript
3. The guidance coordinator and/or counselor will provide the transcript with accurate IDOE Course Codes to the registrar to enter into PowerSchool.
4. The guidance coordinator and/or counselor will work with the parents to share the diploma track checklist to determine what grade the student should be enrolled in and the courses the student should take to be on track for the diploma of their choosing.
The information below outlines the landing place for Next Level Programs of Study in the Fort Wayne Community School starting with the 2021-2022 school year. Please note that future directions of pathways can evolve based on the direction of the IDOE/Governor’s Workforce Cabinet and/or direction of Fort Wayne Community Schools. It will vary which schools offer just the Principles course and which schools offer the Principles and Concentrator A course in 2021-2022, as well as, which Perkins 4 or 5 courses would need included to meet graduation requirements for the Class of 2022 and 2023.

Next Steps for Schools (DRAFT):

High school teams should follow the steps outlined below to get ready for the 2021-2022 school year and implementing Next Level Programs of Study:

- Ensure all new courses are submitted to the curriculum department.
- Review teacher licensure to ensure highly qualified and aligned to courses.
  - NLPS license document will come later this month, BUT should mimic the current licensing.
- Review how students in the Class of 2022 and Class of 2023 are achieving Domain 3 of the Graduation Pathways. After this:
  - Determine the appropriate Perkins 5 Concentrator B courses to be offered where necessary for the appropriate students in the 2022 and 2023 cohorts.
  - Determine if any appropriate Perkins 4 sections are needed for students in the 2022 cohort.
- Review the role of Introductory courses in your master schedule and relationship with allocations.
- Ensure that the correct IDOE course codes are used in building the master schedule.

Helpful Resources:

The following resources have been shared with various stakeholders throughout the launch of Next Level Programs of Study.

- NLPS School Wishlist Breakdown
- NLPS Overview Spreadsheet
- NLPS Flowchart
- FWCS Pathway Creation Criteria
- Governor’s Workforce Cabinet - NLPS Review Document
- Governor’s Workforce Cabinet - NLPS Course Titles and Descriptions
- Who Can Teach What? - Coming Soon
- NLPS Funding Memo and 12/1/2020 Funding Memo
- Dual Credit Crosswalk - Coming Soon
- Standards - Coming in April

Please remember that NLPS Capstones are not available until the 2022-2023 school year and are not required for CTE Concentrator status. However, CTE pathways are evaluated in relation to dual credits earned, certifications earned, or work-based learning experiences.
### SOUTH SIDE HIGH SCHOOL

The following NLPS pathways will be offered at South Side High School in 2021-2022:

<table>
<thead>
<tr>
<th>Principles</th>
<th>Concentrator A</th>
<th>Concentrator B</th>
<th>Capstone (2022-2023)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Interior Design</strong></td>
<td>7132 - Principles of Interior Design</td>
<td>7127 - Interior Design Fundamentals</td>
<td>7128 - Materials, Finishes, and Designs</td>
</tr>
<tr>
<td><strong>Accounting</strong></td>
<td>7152 - Principles of Business</td>
<td>4524 - Accounting Fundamentals</td>
<td>7150 - Money &amp; Banking</td>
</tr>
<tr>
<td><strong>Human &amp; Social Services</strong></td>
<td>7176 - Principles of Human &amp; Social Services</td>
<td>7177 - Relationships &amp; Emotions</td>
<td>7174 - Disability Services</td>
</tr>
<tr>
<td><strong>Computer Science (Perkins V Pathway)</strong></td>
<td>4801 - Computer Science I</td>
<td>5236 - Computer Science II or 5249, 5250, 5251, 5253 - Computer Science III</td>
<td></td>
</tr>
<tr>
<td><strong>Marketing &amp; Sales</strong></td>
<td>7152 - Principles of Business</td>
<td>5914 - Marketing Fundamentals</td>
<td>5918 - Strategic Marketing or 7145 - Digital Marketing</td>
</tr>
<tr>
<td><strong>Nutrition Science</strong></td>
<td>7173 - Principles of Culinary and Hospitality</td>
<td>7171 - Nutrition</td>
<td>7170 - Diet Therapy</td>
</tr>
</tbody>
</table>

The following Career Academy duplicate pathway will be offered at SSHS in 2021-2022:

| **Radio & Television** | 7139 - Principles of Radio and TV | 7135 - Audio & Video Production | 7137 - Mass Media Performance | Radio & TV Broadcasting Capstone |

### NEW TECH ACADEMY

The following NLPS pathways will be offered at New Tech Academy in 2021-2022:

<table>
<thead>
<tr>
<th>Principles</th>
<th>Concentrator A</th>
<th>Concentrator B</th>
<th>Capstone (2022-2023)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engineering (PLTW)</strong></td>
<td>4802 - Intro to Engineering Design (IED)</td>
<td>5644 - Principles of Engineering (POE)</td>
<td>5538, 5650, 5518, 5534, or 4818</td>
</tr>
<tr>
<td><strong>Biomedical Sciences &amp; Technology (PLTW)</strong></td>
<td>5218 - Principles of Biomedical Sciences</td>
<td>5216 - Human Body Systems</td>
<td>5217 - Medical Interventions</td>
</tr>
</tbody>
</table>
### SNIDER HIGH SCHOOL

The following NLPS pathways will be offered at Snider High School in 2021-2022:

<table>
<thead>
<tr>
<th>Principles</th>
<th>Concentrator A</th>
<th>Concentrator B</th>
<th>Capstone (2022-2023)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Sciences &amp; Technology (PLTW)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5218 - Principles of Biomedical Sciences</td>
<td>5216 - Human Body Systems</td>
<td>5217 - Medical Interventions</td>
<td>5219 - Biomedical Innovations</td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7154 - Principles of Entrepreneurship</td>
<td>7148 - Entrepreneurial Marketing &amp; Management</td>
<td>7147 - Entrepreneurial Money Management</td>
<td>Entrepreneurship Capstone</td>
</tr>
<tr>
<td>Business Administration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7152 - Principles of Business</td>
<td>7143 - Business Administration Fundamentals</td>
<td>4524 - Accounting Fundamentals</td>
<td>Business Administration Capstone</td>
</tr>
<tr>
<td>Business Operations and Technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7153 - Principles of Business Operations &amp; Technology</td>
<td>7144 - Business Office Communications</td>
<td>7146 - Digital Record Keeping</td>
<td>Business Operations &amp; Technology Capstone</td>
</tr>
<tr>
<td>Marketing &amp; Sales</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7152 - Principles of Business</td>
<td>5914 - Marketing Fundamentals</td>
<td>5918 - Strategic Marketing or 7145 - Digital Marketing</td>
<td>Business Management Capstone</td>
</tr>
<tr>
<td>Computer Science (Perkins V Pathway)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4801 - Computer Science I</td>
<td>5236 - Computer Science II or 5249, 5250, 5251, 5253 - Computer Science III</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The following Career Academy duplicate pathway will be offered at SHS in 2021-2022:

<table>
<thead>
<tr>
<th>Interactive Media</th>
</tr>
</thead>
</table>

**Radio & TV:**
- Can offer, 5992 - Radio & TV II for students that completed 5986 - Radio & TV I
- Transition 5986 - Radio & TV I to 1084 - Digital Media (LAHM100301 - Mass Media)

### WAYNE HIGH SCHOOL

The following NLPS pathways will be offered at Wayne High School in 2021-2022:
<table>
<thead>
<tr>
<th>Principles</th>
<th>Concentrator A</th>
<th>Concentrator B</th>
<th>Capstone (2022-2023)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Entrepreneurship</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7154 - Principles of Entrepreneurship</td>
<td>7148 - Entrepreneurial Marketing &amp; Management</td>
<td>7147 - Entrepreneurial Money Management</td>
<td>Entrepreneurship Capstone</td>
</tr>
<tr>
<td><strong>Business Administration</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7152 - Principles of Business</td>
<td>7143 - Business Administration Fundamentals</td>
<td>4524 - Accounting Fundamentals</td>
<td>Business Administration Capstone</td>
</tr>
<tr>
<td><strong>Business Operations and Technology</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7153 - Principles of Business Operations &amp; Technology</td>
<td>7144 - Business Office Communications</td>
<td>7146 - Digital Record Keeping</td>
<td>Business Operations &amp; Technology Capstone</td>
</tr>
<tr>
<td><strong>Marketing &amp; Sales</strong></td>
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<tr>
<td>7152 - Principles of Business</td>
<td>5914 - Marketing Fundamentals</td>
<td>5918 - Strategic Marketing or 7145 - Digital Marketing</td>
<td>Business Management Capstone</td>
</tr>
<tr>
<td><strong>Computer Science (Perkins V Pathway)</strong></td>
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<tr>
<td>4801 - Computer Science I</td>
<td></td>
<td>5236 - Computer Science II or 5249, 5250, 5251, 5253 - Computer Science III</td>
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</tr>
</tbody>
</table>

**NORTHROP HIGH SCHOOL**

The following NLPS pathways will be offered at Northrop High School in 2021-2022:

<table>
<thead>
<tr>
<th>Principles</th>
<th>Concentrator A</th>
<th>Concentrator B</th>
<th>Capstone (2022-2023)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engineering (PLTW)</strong></td>
<td></td>
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<tr>
<td>4802 - Intro to Engineering Design (IED)</td>
<td>5644 - Principles of Engineering (POE)</td>
<td>5538, 5650, 5518, 5534, or 4818</td>
<td>5698 - Engineering Design &amp; Development</td>
</tr>
<tr>
<td><strong>Education Careers</strong></td>
<td></td>
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</tr>
<tr>
<td>7161 - Principles of Teaching</td>
<td>7157 - Child &amp; Adolescent Development</td>
<td>7162 - The Exceptional Child</td>
<td>Education Professions Capstone</td>
</tr>
<tr>
<td><strong>Marketing &amp; Sales</strong></td>
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</tr>
<tr>
<td>7152 - Principles of Business</td>
<td>5914 - Marketing Fundamentals</td>
<td>5918 - Strategic Marketing or 7145 - Digital Marketing</td>
<td>Business Management Capstone</td>
</tr>
<tr>
<td><strong>Interior Design</strong></td>
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<tr>
<td>7132 - Principles of Interior Design</td>
<td>7127 - Interior Design Fundamentals</td>
<td>7128 - Materials, Finishes, and Designs</td>
<td>Interior Design Capstone</td>
</tr>
<tr>
<td><strong>Computer Science (Perkins V Pathway)</strong></td>
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<td></td>
</tr>
</tbody>
</table>

Commercial Photography*
The following Career Academy duplicate pathway will be offered at NHS in 2021-2022:

### Hospitality Management

| 7173 - Principles of Culinary & Hospitality | 7171 - Nutrition | 7172 - Hospitality Management | Hospitality Management Capstone |

### NORTH SIDE HIGH SCHOOL

The following NLPS pathways will be offered at North Side High School in 2021-2022:

<table>
<thead>
<tr>
<th>Principles</th>
<th>Concentrator A</th>
<th>Concentrator B</th>
<th>Capstone (2022-2023)</th>
</tr>
</thead>
</table>

#### Entrepreneurship

| 7154 - Principles of Entrepreneurship | 7148 - Entrepreneurial Marketing & Management | 7147 - Entrepreneurial Money Management | Entrepreneurship Capstone |

#### Business Administration

| 7152 - Principles of Business | 7143 - Business Administration Fundamentals | 4524 - Accounting Fundamentals | Business Administration Capstone |

#### Accounting

| 7152 - Principles of Business | 4524 - Accounting Fundamentals | 7150 - Money & Banking | Accounting Capstone |

#### Education Careers

| 7161 - Principles of Teaching | 7157 - Child & Adolescent Development | 7162 - The Exceptional Child | Education Professions Capstone |

#### Computer Science (Perkins V Pathway)

| 4801 - Computer Science I | 5236 - Computer Science II or 5249, 5250, 5251, 5253 - Computer Science III |

#### Human & Social Services

| 7176 - Principles of Human & Social Services | 7177 - Relationships & Emotions | 7174 - Disability Services | Human & Social Services Capstone |

The following Career Academy duplicate pathway will be offered at NSHS in 2021-2022:

### Graphic Imaging

| 7140 - Principles of Digital Design | 5550 - Graphic Design & Layout | 7134 - Advanced Graphic Design | Graphic Design and Print Layout Capstone |

### Radio & TV:

- Can offer, 5992 - Radio & TV II for students that completed 5986 - Radio & TV I
- Transition 5986 - Radio & TV I to 1084 - Digital Media (LAHM100301 - Mass Media)
ADVANCED PLACEMENT, DUAL CREDIT AND COLLEGE CREDIT

There are three avenues through which students can earn college credit:

1. College credit can be earned through enrolling in an Advanced Placement or International Baccalaureate standard level (South Side High School) classes and then taking and passing the corresponding examination at the end of the course. On AP examinations, students who earn at least a three on the AP Exam will earn college credit at any state school in Indiana (examples – Purdue University, Indiana University). In addition, any student may take an AP exam, even if they have never taken the class to support the AP exam. Cost of taking the AP exam without the support of the class is the student’s responsibility.

2. Students may enroll in college courses with reduced tuition through a School Based Program (SBP) taught by FWCS faculty who are adjunct professors through a local college. Yearlong courses earn one high school credit per semester.

3. Students may enroll in college courses on a college campus if the college level course they intend to take is not available at the student’s school. Students may schedule this as part of their school day, or classes may be taken before, after school, or in the summer. If a student elects to take a course outside of their school day then students will be required to attend a full day at their home school. Students must seek prior approval from the high school guidance counselor by completing the Student Request for College Credit form (found in the back of this handbook). Requests for College Credit must be signed off by the school and the Office of School Leadership prior to the student enrolling in a college course. The signed form must be received prior to registering for the class. Courses earn one high school credit per semester.

4. Per the Indiana Department of Education and the Commission for High Education, local high schools have the flexibility to determine the number of high school credits that should be awarded for a dual credit course based on these guidelines:

   o The number of high school credits awarded for a dual credit course cannot exceed the number of credits listed on the bullet portion of the State Approved High School Course Titles and Descriptions document. For example, a student complete a Senior English course through a dual credit course with Indiana University would earn two high school credits for the year.

   o Typically, a one semester college course transfers in as a one high school credit and a two-semester college course as two high school credits. The exception is when a one-semester college course covers the equivalent of two semester’s worth of a high school course (which typically happens with a World Language dual credit course). In those cases, since the content of the course is equivalent to two semester’s worth of a high school course (which typically happens with a World Language dual credit course). In those classes, since the content of the course is equivalent to two semesters worth of high school material, the student should receive two credits.

Most college credits are transferable to Indiana colleges and universities. However, the courses may be counted as electives and not as the specific course as listed on the student’s college transcript. It is the student’s responsibility to know and understand how their college credits that are granted in high school transfer to the college they attend after high school. Students may also enter an early college program where a combination of the above options can be used to allow students to earn an associate’s degree while completing high school. It is important for students to check with the university or college in which your student is enrolled or considering enrollment to validate any dual credit.

Students must enroll in any college credit programs according to the individual institution’s qualifications. Information about the dual enrollment programs at the colleges and universities can be found on their web pages linked below.

Advanced Placement and International Baccalaureate Courses – see your high school counselor
Purdue University, Fort Wayne www.pfw.edu
Ivy Tech, Fort Wayne https://www.ivytech.edu/dual-credit/
Vincennes University https://www.vinu.edu/dual-credit
Indiana Tech https://admissions.indianatech.edu/early-start/dual-credit/
Trine University https://www.trine.edu/academics/academic-programs/dual-enrollment/index.aspx
AP 2-D Art and Design (4050)
VAHTP90100 St Art 2D Design Portfolio AP 1
VAHTP90200 St Art 2D Design Portfolio AP 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Advanced Laboratory 2-D visual arts courses.
Credits: 2 semester course, 1 credit per semester

AP 2-D Design is a course established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The AP Program offers three studio art courses and portfolios: 2-Dimensional Design, 3-Dimensional Design, and Drawing. The AP Art portfolios are designed for students who are seriously interested in the practical experience of art. The portfolios correspond to most college foundation courses. Students submit portfolios for evaluation at the end of the school year. Students may choose to submit any or all of the Drawing, 2-Dimensional Design, or 3-Dimensional design portfolios. AP Art students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions. The portfolio will have two sections: Sustained Investigation and Selected works. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective all diplomas.

AP Biology (L) (3020)
SCHB190100 Biology AP 1
SCHB190200 Biology AP 2
SCNB190100 Biology AP 1
SCNB190200 Biology AP 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Biology I and Chemistry I
Credits: 2 semester course, 1 credit per semester

AP Biology is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The major themes of the course include: The process of evolution drives the diversity and unity of life, Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis, Living systems store, retrieve, transmit and respond to information essential to life processes, Biological systems interact, and these systems and their interactions possess complex properties. Counts as a Science Course for all diplomas. Qualifies as a quantitative reasoning course.

AP Calculus AB (2562)
MAHC190100 Calculus AB-AP 1
MAHC190200 Calculus AB-AP 2
MANC190100 Calculus AB-AP 1
MANC190200 Calculus AB-AP 2
Recommended Grade Levels: 11, 12
Required Prerequisites: Precalculus: Algebra
Credits: 2 semester course, 1 credit per semester

AP Calculus AB is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP Calculus AB is equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. This course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Counts as a Mathematics Course for all diplomas. Qualifies as a quantitative reasoning course.

AP Calculus BC (2572)
MANC290100 Calculus BC-AP 1
MANC290200 Calculus BC-AP 2
Recommended Grade Levels: 11, 12
Required Prerequisites: Precalculus: Algebra
Credits: 2 semester course, 1 credit per semester
AP Calculus BC is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP Calculus BC is roughly equivalent to both first and second semester college calculus courses, extends the content learned in AP Calculus AB to different types of equations, and introduces the topic of sequences and series. This course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. The content of AP Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for AP Calculus AB. Counts as a Mathematics Course for all diplomas. Qualifies as a quantitative reasoning course.

AP Chemistry (3060)
SCHC190100 Chemistry AP 1
SCHC190200 Chemistry AP 2
SCNC190100 Chemistry AP 1
SCNC190200 Chemistry AP 2
Recommended Grade Levels: 12
Recommended Prerequisites: Chemistry I, Algebra II, Precalculus: Algebra Precalculus: Trigonometry
Credits: 2 semester course, 1 credit per semester

AP Chemistry is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The content includes: (1) structure of matter: atomic theory and structure, chemical bonding, molecular models, nuclear chemistry; (2) states of matter: gases, liquids and solids, solutions; and (3) reactions: reaction types, stoichiometry, equilibrium, kinetics and thermodynamics. Counts as a Science Course for all diplomas. Qualifies as a quantitative reasoning course.

AP Computer Science A PLTW (4570)
BEHA390100 AP Computer Science A
BEHA390200 AP Computer Science A
BEHC390100 Computer Science A: PLTW 1
BEHC390200 Computer Science A: PLTW 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: AP Computer Science OR Computer Science I, Algebra II
Credits: 2 semester course, 1 credit per semester

AP Computer Science A introduces students to computer science through programming. Fundamental topics include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. AP Computer Science A is equivalent to a first-semester, college-level course in computer science. Counts as a Mathematics or Elective for all diplomas. Fulfills a science course requirement for all diplomas. Qualifies as a quantitative reasoning course.

AP Drawing (4048)
VAHDP90100 St Art Draw Portfolio AP 1
VAHDP90200 St Art Draw Portfolio AP 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Advanced Laboratory visual arts courses.
Credits: 2 semester course, 1 credit per semester

AP Drawing is a course established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The AP Studio Art Program consists of three portfolio exams—2-D Design, 3-D Design, and Drawing—corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. The Drawing portfolio addresses issues such as line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark-making. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses. The portfolio will have two sections: Sustained Investigation and Selected works. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective all diplomas.
ADVANCED PLACEMENT AND INTERNATIONAL BACCALAUREATE COURSES

AP English Language and Composition (1056)
LAHC190100 English Language & Comp AP 1
LAHC190200 English Language & Comp AP 2
LANC190100 English Language & Comp AP 1
LANC190200 English Language & Comp AP 2
Recommended Grade Levels: 11, 12 (College Board does not designate when this course should be offered).
Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of standard written English in their writing.
Credits: 2 semester course, 1 credit per semester

AP English Language and Composition is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The course focuses on the development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts. The course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. There is no prescribed sequence of study. Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas.

AP English Literature and Composition (1058)
LAHL190100 English Lit & Comp AP 1
LAHL190200 English Lit & Comp AP 2
LANL190100 English Lit & Comp AP 1
LANL190200 English Lit & Comp AP 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.
Credits: 2 semester course, 1 credit per semester

AP English Literature and Composition is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas.

AP Environmental Science (3012)
SCHE390100 Environmental Science AP 1
SCHE390200 Environmental Science AP 2
Recommended Grade Levels: 12
Recommended Prerequisites: Biology I and Chemistry I
Credits: 2 semester course, 1 credit per semester

AP Environmental Science is a course based on content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. Students enrolled in AP Environmental Science investigate the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Counts as a Science Course for all diplomas. Qualifies as a quantitative reasoning course.

AP German Language and Culture (2052)
WLHG190100 German Language and Culture AP 1
WLHG190200 German Language and Culture AP 2
Recommended Grade Levels: 11, 12
Required Prerequisites: German I, II and III
Credits: 2 semester course, 1 credit per semester
ADVANCED PLACEMENT AND INTERNATIONAL BACCALAUREATE COURSES

AP German Language and Culture is a course established and copyrighted by the College Board and follows College Board course guidelines in order to prepare students to be successful on the AP German Language and Culture exam. The course is taught mostly in German and emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This addresses vocabulary usage, language control, communication strategies and cultural awareness. The course engages students in an exploration of culture in both contemporary and historical contexts, developing student awareness and appreciation of cultural products, practices, and perspectives. Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma. Counts as a Directed Elective or Elective for all diplomas.

AP Microeconomics (1566)
SSHMI90300 Microeconomics AP
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Students should be able to read a college level textbook and write grammatically correct, complete sentences
Credits: 1 semester course. 1 credit per semester

AP Microeconomics is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students’ familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Topics include Basic Economic Concepts; Nature and Functions of Product Markets; Factor Markets; and Market Failure and the Role of Government. Fulfills the Economics requirement for all diplomas. Counts as a Directed Elective or Elective for all diplomas. Qualifies as a Quantitative Reasoning course.

AP Physics 1: Algebra-Based (L) (3080)
SCHP290100 Physics Algebra-Based, AP 1
SCHP290200 Physics Algebra-Based, AP 2
Recommended Grade Levels: 10, 11
Recommended Prerequisites: Algebra I or Integrated Mathematics I
Credits: 2 semester course, 1 credit per semester

AP Physics 1 is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP Physics 1: Algebra based is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Counts as a Science course for all diplomas. Qualifies as a quantitative reasoning course.

AP Physics 2: Algebra-Based (L) (3081)
SCHP290101 Physics Algebra-Based AP 2-1
SCHP290201 Physics Algebra-Based AP 2-2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: AP Physics I: Algebra-based
Credits: 2 semester course, 1 credit per semester

AP Physics 2 is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP Physics 2: Algebra-based is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Counts as a Science Course for all diplomas. Qualifies as a quantitative reasoning course.

AP Physics C (L) (3088)
SCHP390101 Physics C AP 1
SCHP390201 Physics C AP 2
Recommended Grade Levels: 12
Recommended Prerequisites: Physics I, Calculus (can be taken concurrently)
Credits: 2 semester course, 1 credit per semester

AP Physics C is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. There are two AP Physics C courses, Physics C: Mechanics, and Physics C: Electricity and Magnetism. AP Physics C: Mechanics provides instruction in each of the following six content areas: kinematics; Newton’s laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. AP Physics C: Electricity and Magnetism provides instruction in each of the following five content areas: electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Counts as a Science Course for all diplomas. Counts as an Elective for all diplomas. Qualifies as a quantitative reasoning course.
AP Psychology (1558)
SSHP190100 Psychology AP 1
SSHP190200 Psychology AP 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: None. Students should be able to read a college level textbook and write grammatically correct, complete sentences.
Credits: 1-2 semester course, 1 credit per semester

AP Psychology is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. Topics include: History and Approaches; Research Methods; Biological Bases of Behavior; Sensation and Perception; States of Consciousness; Learning; Cognition; Motivation and Emotion; Developmental Psychology; Personality; Testing and Individual Differences; Abnormal Behavior; Treatment of Abnormal Behavior; and Social Psychology. Counts as an Elective for all diplomas.

AP Spanish Language and Culture (2132)
WLHSL90100 Spanish Language AP 1
WLHSL90200 Spanish Language AP 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Spanish I, II & III
Credits: 2 semester course, 1 credit per semester

AP Spanish Language and Culture is a course established and copyrighted by the College Board and follows the College Board course guidelines for AP Spanish Language and Culture. The course prepares students to be successful on the AP Spanish Language and Culture exam. The course is not intended to be used as a dual credit course. The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). Counts as a Directed Elective or Elective for all diplomas. Fulfills a World Language for Core 40 with Academic Honors Diploma.

AP Statistics (2570)
MAHS190100 Statistics AP 1
MAHS190200 Statistics AP 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Algebra II or Integrated Mathematics III
Credits: 1-2 semester course, 1 credit per semester. Due to the level of rigor, it is recommended that AP Statistics be offered as a 2 semester, 2 credit course.

AP Statistics is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Counts as a Mathematics Course for all diplomas. Qualifies as a quantitative reasoning course.

AP United States Government and Politics (1560)
SSHGP90301 US Government & Politics AP
SSNG190300 US Government AP
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Students should be able to read a college level textbook and write grammatically correct sentences.
Credits: 1-2 semester course, 1 credit per semester
ADVANCED PLACEMENT AND INTERNATIONAL BACCALAUREATE COURSES

AP United States Government and Politics is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they complete a political science research or applied civics project. Fulfills the Government requirement for all diplomas.

AP United States History (1562)
SSHH190100 US History AP 1
SSHH190200 US History AP 2
SSNH190100 US History AP 1
SSNH190200 US History AP 2

Recommended Grade Levels: 11, 12
Recommended Prerequisites: None. Students should be able to read a college level textbook and write grammatically correct, complete sentences.
Credits: A 2 semester course, 1 credit per semester.

AP United States History is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP United States History focuses on developing students’ abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. Fulfills the US History requirement for all diplomas.

AP World History Modern (1612)
SSHW290100 AP World History Modern 1
SSHW290200 AP World History Modern 2

Recommended Grade Levels: Any
Recommended Prerequisites: None. Students should be able to read a college level textbook and write grammatically correct, complete sentences.
Credits: 2 semester course, 1 credit per semester

AP World History Modern is designed to be the equivalent of a two semester introductory college or university world history course. According to the College Board AP World History Modern students “investigate significant events, individuals, developments, and processes in historical periods from approximately 1200 CE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places; interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. Fulfills the Geography History of the World/World History and Civilization graduation requirement for Core 40, Core 40 with Academic Honors Diploma, and Core 40 with Technical Honors Diploma.

IB Biology Higher Level (3032)
SCHB390100 Biology Higher Level IB 1
SCHB390200 Biology Higher Level IB 2
SCHB490100 Biology Higher Level IB 3
SCHB490200 Biology Higher Level IB 4

Recommended Grade Levels: 11, 12
Recommended Prerequisites: Biology I and Chemistry I Credits: 2 or 4 semester course, 1 credit per semester
The minimum prescribed number of hours is 240.

IB Biology Higher Level focuses on six core topics: cell biology, molecular biology, genetics, ecology, evolution/biodiversity, and human physiology. It is based on the curriculum published by the International Baccalaureate Organization. Students must complete additional study in eight topics: nucleic acids, metabolism, cell respiration, photosynthesis, genetics and evolution, animal physiology, and plant biology. Optional course topics for students include neurobiology and behavior, biotechnology and bioinformatics, ecology and conservations, and human physiology.
IB Chemistry Higher Level (3070)
SCHC490100 Chemistry Higher Level IB 3
SCHC490200 Chemistry Higher Level IB 4
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Biology I and Chemistry I
Credits: 2 or 4 semester course, 1 credit per semester

IB Chemistry Higher Level is designed to introduce students to the theories and practical techniques involved in the composition, characterization, and transformation of substances. It is based on the curriculum published by the International Baccalaureate Organization. As the central science, the chemical principles investigated underpin both the physical world in which we live and all biological systems. Students study eleven core topics: stoichiometry, atomic theory, periodicity, bonding, states of matter, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, and organic chemistry. Students must complete additional study in nine topics: atomic theory, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, and organic chemistry. Optional course topics include medicines and drugs, human biochemistry, environmental chemistry, chemical industries, and fuels and energy. Additional options are modern analytical chemistry and further organic chemistry. The minimum prescribed number of hours is 240. Counts as an Elective for all diplomas. Fulfills a Chemistry I requirement for the Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors. Qualifies as a quantitative reasoning course.

IB Chemistry Standard Level (3072)
SCHC290100 Chemistry Standards Level IB 1
SCHC290200 Chemistry Standards Level IB 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Biology I and Chemistry I
Credits: 2 or 4 credit course, 1 credit per semester

IB Chemistry Standard Level is designed to introduce students to the theories and practical techniques involved in the composition, characterization, and transformation of substances. It is based on the curriculum published by the International Baccalaureate Organization. As the central science, the chemical principles investigated underpin both the physical world in which we live and all biological systems. Students study eleven core topics: stoichiometry, atomic theory, periodicity, bonding, states of matter, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, and organic chemistry. Optional course topics include medicines and drugs, human biochemistry, environmental chemistry, chemical industries, and fuels and energy. Higher physical organic chemistry is a further option. Counts as an elective for all diplomas. Fulfills a Chemistry I requirement for the Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors. Qualifies as a quantitative reasoning course.

IB Environmental Systems and Societies Standard Level (3016)
SCHE390101 Environmental Systems SL IB 3
SCHE390201 Environmental Systems SL IB 4
Recommended Grade Levels: 11, 12
Credits: 2 or 4 semester course, 1 credit per semester

The IB DP Environmental Systems and Societies Standard Level course aims to provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. Students’ attention is constantly drawn to their own relationship with their environment and the significance of choices and decisions that they make in their own lives. It is intended that students develop a sound understanding of the interrelationships between environmental systems and societies, rather than a purely journalistic appreciation of environmental issues. The teaching approach strives to be conducive to students evaluating the scientific, ethical, and socio-political aspects of issues.

IB History Higher Level (1590)
SSHH490100 History Higher Level IB 1
SSHH490200 History Higher Level IB 2
SSHH490101 History Higher Level IB 3
SSHH490201 History Higher Level IB 4
Recommended Grade Levels: 11, 12
Credits: 2 or 4 semester course, 1 credit per semester
The DP history course is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. The course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge. It puts a premium on developing the skills of critical thinking, and on developing an understanding of multiple interpretations of history. In this way, the course involves a challenging and demanding critical exploration of the past. Teachers explicitly teach thinking and research skills such as comprehension, text analysis, transfer, and use of primary sources. There are six key concepts that have particular prominence throughout the DP history course: change, continuity, causation, consequence, significance, and perspectives. The range of content is from 750 CE to the 21st Century. Counts as an elective for all diplomas. Fulfills US History requirement with regional concentration on the Americas.

IB Language A: Literature Higher Level (1130)
LAHL490100 Lang A1 Higher Level IB 1
LAHL490200 Lang A1 Higher Level IB 2
LAHL590100 Lang A1 Higher Level IB 3
LAHL590200 Lang A1 Higher Level IB 4
Recommended Grade Levels: 11, 12
Credits: 2 or 4 semester course, 1 credit per semester

IB Language A: Literature Higher Level is a pre-university literature course in the student’s native or best IB Language A: Literature Higher Level develops understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. The formal analysis of texts and wide coverage of a variety of literature—both in the language of the subject and in translations from other cultures—is combined with a study of the way literary conventions shape responses to texts. Students completing this course will have a thorough knowledge of a range of texts and an understanding of other cultural perspectives. They will also have developed skills of analysis and the ability to support an argument in clearly expressed writing, sometimes at significant length. Fulfills an English/Language Arts requirement for all diplomas. Counts as an Elective for all diplomas. There will be a new assessment in 2021.

IB Mathematics: Analysis and Approaches Standard Level (2588)
MAHM390100 DP IB Math Standard Level 1
MAHM390200 DP IB Math Standard Level 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: students should have strong Algebra II skills
Credits: 2 or 4 semester course, 1 credit per semester

The IB Mathematics: Analysis and Approaches course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content. It is for students who enjoy developing mathematical arguments, problem solving, and exploring real and abstract applications, with and without technology. Core topics provide students the opportunity to engage in detailed study of numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. Fulfills a Mathematics course requirement for all diplomas. Qualifies as a quantitative reasoning course. Counts as an Elective for all diplomas.

IB Music Higher Level (4212)
MUHM490100 Music Higher Level IB 1
MUHM490200 Music Higher Level IB 2
MUHM590100 Music Higher Level IB 3 CC
MUHM590200 Music Higher Level IB 4 CC
Recommended Grade Levels: 11, 12
Credits: 2 or 4 semester course, 1 credit per semester

The IB Music Higher Level course seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. IB Diploma Programme Music students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology, and context. Through the course of study, students become aware of how musicians work and communicate. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas.
ADVANCED PLACEMENT AND INTERNATIONAL BACCALAUREATE COURSES

IB Philosophy Higher Level (1600)
SSHP490100 Philosophy HL IB 1
SSHP490200 Philosophy HL IB 2
SSHP490101 Philosophy HL IB 3
SSHP490201 Philosophy HL IB 4
Recommended Grade Levels: 11, 12
Credits: 2 or 4 semester course, 1 credit per semester

The IB Philosophy Higher Level course provides an opportunity for students to engage with some of the world’s most interesting and influential thinkers. It also develops highly transferable skills such as the ability to formulate arguments clearly, to make reasoned judgments and to evaluate highly complex and multifaceted issues. The course is focused on stimulating students’ intellectual curiosity and encouraging them to examine both their own perspectives and those of others. Students are challenged to develop their own philosophical voice and to grow into independent thinkers. Teachers explicitly teach thinking and research skills such as comprehension, text analysis, transfer, and use of primary sources. Counts as a Social Studies Course for the General diploma. Counts as an elective for all diplomas.

IB Psychology Standard Level (1606)
SSHP390101 Psychology SL IB 1
SSHP390201 Psychology SL IB 2
Recommended Grade Levels: 11, 12
Credits: 2 or 4 semester course, 1 credit per semester

The IB Psychology Standard Level course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behavior and explore alternative explanations of behavior. They also understand and use diverse methods of psychological inquiry. Counts as a Social Studies Course for the General diploma, counts as an Elective for all diplomas.

IB Theory of Knowledge (0560)
MDHK190100 Theory of Knowledge IB I-1
MDHK190200 Theory of Knowledge IB I-2
Recommended Grade Levels: 11, 12
Credits: 2 or 4 semester course, 1 credit per semester

IB Theory of Knowledge (TOK) is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It plays a special role in the DP by providing an opportunity for students to reflect on the nature of knowledge, to make connections between areas of knowledge and to become aware of their own perspectives and those of the various groups whose knowledge they share. It is a core element undertaken by all DP students, and schools are required to devote at least 100 hours of class time to the course. The overall aim of TOK is to encourage students to formulate answers to the question “how do you know?” in a variety of contexts, and to see the value of that question. This allows students to develop an enduring fascination with the richness of knowledge. Counts as a Directed Elective or Elective for all diplomas.

IB Visual Arts Higher Level (4090)
VAHV490100 Visual Arts HL IB 1
VAHV490200 Visual Arts HL IB 2
VAHV590100 Visual Arts HL IB 3
VAHV590200 Visual Arts HL IB 4
Recommended Grade Levels: 11, 12
Credits: 2 or 4 semester course, 1 credit per semester

The IB Visual Arts Standard Level course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to further study of visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. The role of visual arts teachers should be to actively and carefully organize learning experiences for the students, directing their study to enable them to reach their potential and satisfy the demands of the course. Students should be empowered to become autonomous, informed and skilled visual artists. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective all diplomas.
IB World Language B Higher Level (2306)
WLHF490100 WL B HL IB: French IV-1
WLHF490200 WL B HL IB: French IV-2
WLHF590101 WL B HL IB: French V-3
WLHF590201 WL B HL IB: French V-4
WLHS490100 WL B HL IB: Spanish IV-1
WLHS490200 WL B HL IB: Spanish IV-2
WLHS590101 WL B HL IB: Spanish V-3
WLHS590202 WL B HL IB: Spanish V-4

Recommended Grade Levels: 11, 12
Credits: 2 or 4 semester course, 1 credit per semester

The IB Language B Higher Level course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Those learning a language B at higher level should be able to follow university courses in other disciplines in the language B that is studied. Counts as a World Language credit for all diplomas. Counts as an Elective or Directive Elective for all diplomas.
### Purdue, Fort Wayne

<table>
<thead>
<tr>
<th>North Side</th>
<th>Northrop</th>
<th>South Side</th>
<th>Snider</th>
<th>Wayne</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Algebra/Trigonometry (DOE 2564/2566)</td>
<td>Examining Self as Teacher (DOE 5408)</td>
<td>Practical Quantitative Reasoning (DOE 2550)</td>
<td>Elementary Statistical Methods (DOE 2544)</td>
<td>Intro to Computer Science I (DOE 4801)</td>
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<td>General Chemistry (DOE 3066)</td>
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<td>Survey of Computer Science (DOE 4801)</td>
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<tr>
<td>Second-Year Spanish I (DOE 2124)</td>
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<tr>
<td>Second-Year Spanish II (DOE 2124)</td>
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<tr>
<td>Reading, Writing &amp; Inquiry I (DOE 1124)</td>
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</table>

### Ivy Tech, Fort Wayne

<table>
<thead>
<tr>
<th>North Side</th>
<th>Northrop</th>
<th>South Side</th>
<th>Snider</th>
<th>Wayne</th>
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</thead>
<tbody>
<tr>
<td>Architectural Design I (DOE 5650)</td>
<td>English Composition (DOE 1006)</td>
<td>Intro to Design Tech (DOE 4802)</td>
<td>Intro to Literature (DOE 1124)</td>
<td>Architectural Design I – WNT (DOE 5650)</td>
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<tr>
<td>French Level I (DOE 2024)</td>
<td>French Level II (DOE 2024)</td>
<td>French Level III (DOE 2026)</td>
<td>French Level IV (DOE 2026)</td>
<td>Business Ethics (DOE 4560)</td>
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<td>College Algebra/Trigonometry (DOE 2564/2566)</td>
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<td>Customer Service (DOE 6142)</td>
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<td>English Composition (DOE 1006)</td>
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<td>Fundamentals of Public Speaking (DOE 1078)</td>
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<td>Intro to Business (DOE 4562)</td>
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<td>Intro to Chemistry (DOE 3066)</td>
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<td>Intro to Design Technology – WNT (DOE 4802)</td>
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<td>Intro to Literature (DOE 1124)</td>
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<td></td>
<td>Intro to Microcomputers (DOE 4528)</td>
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(DOE = Department of Education, WNT = Wayne Technical Center)
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<tr>
<th>Ivy Tech, Fort Wayne (cont’d)</th>
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<tr>
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<td>Mechanical Graphics – WNT (DOE 5644)</td>
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<td>Principles of Marketing (DOE 5914)</td>
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<td>Quantitative Reasoning (DOE 2550)</td>
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<td>Student Success in University (DOE 5394)</td>
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<td>The Entrepreneur and The Enterprise (DOE 5966)</td>
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<td>Calculus I (2527)</td>
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<tr>
<th>Trine University</th>
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<tbody>
<tr>
<td><strong>North Side</strong></td>
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<td>Microeconomics (DOE 1514)</td>
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<table>
<thead>
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<th>Indiana University, Bloomington</th>
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</thead>
<tbody>
<tr>
<td><strong>North Side</strong></td>
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<tr>
<td>American History I (DOE 1542)</td>
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<td>Fundamentals of Economics (DOE 1514)</td>
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<td>Calculus I (2527)</td>
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<td>Intro to Government (DOE 1540)</td>
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<tr>
<td>College Algebra/Trigonometry (DOE 2564/2566)</td>
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<td>German III (DOE 2044)</td>
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<td>German IV (DOE 2046)</td>
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## Wayne HS / Ivy Tech: Early College Course Sequence

<table>
<thead>
<tr>
<th>Grade</th>
<th>Ivy Tech Course</th>
<th>High School Course</th>
<th>Semester or Full Year</th>
<th>TC: Required or Elective</th>
<th>College Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>IVYT 111 - Student Success</td>
<td>Careers</td>
<td>Semester</td>
<td>Required</td>
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<tr>
<td>9</td>
<td>CINS 101 - Intro. to Microcomputers</td>
<td>Digital Applications</td>
<td>Full Year</td>
<td>Required</td>
<td>3</td>
</tr>
<tr>
<td>10</td>
<td>MKTG 101 - Principles of Marketing</td>
<td>Principles of Marketing</td>
<td>Full Year</td>
<td>Required</td>
<td>3</td>
</tr>
<tr>
<td>10</td>
<td>BUSN 101 - Introduction to Business</td>
<td>Principles of Business Management</td>
<td>Full Year</td>
<td>Required</td>
<td>3</td>
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<tr>
<td>11</td>
<td>BUSN 106 - Customer Service</td>
<td>Customer Service</td>
<td>Semester</td>
<td>Elective</td>
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<tr>
<td>11</td>
<td>BUSN 105 - Principles of Management</td>
<td>Advanced Business Management</td>
<td>Semester</td>
<td>Elective</td>
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<tr>
<td>11</td>
<td>BUSN 201 - Business Law</td>
<td>Business Law</td>
<td>Semester</td>
<td>Required</td>
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<tr>
<td>11</td>
<td>ENGL 111 - English Composition</td>
<td>English Composition</td>
<td>Semester</td>
<td>Required</td>
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<tr>
<td>11</td>
<td>COMM 101 - Public Speaking</td>
<td>Speech: Public Speaking</td>
<td>Semester</td>
<td>Required</td>
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<tr>
<td>12</td>
<td>ENTR 101 - Entrepreneurship</td>
<td>Entrepreneurship &amp; New Ventures</td>
<td>Semester</td>
<td>Required</td>
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<td>12</td>
<td>ACCT 101 - Accounting</td>
<td>Advanced Accounting</td>
<td>Full Year</td>
<td>Required</td>
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<td>12</td>
<td>ENGL 206 - Introduction to Literature</td>
<td>Introduction to Literature</td>
<td>Semester</td>
<td>Required</td>
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<td>12</td>
<td>ENGL 215 - Rhetoric &amp; Argument</td>
<td>Rhetoric &amp; Argument</td>
<td>Semester</td>
<td>Required</td>
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</tbody>
</table>

Total Credits: 37

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## VU 30 Credit Hour Certificate

**North Side High School Early College Program**

**Revised 1/2021**

**School year 2021-2022**

### Grade 9 / Freshman Year

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Instructor</th>
<th>Credit Hrs.</th>
<th>Length of Course</th>
<th>Tuition Cost</th>
<th>Tuition (Free/Reduce)</th>
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</table>

### Grade 10 / Sophomore Year

5 Total Credit Hours

<table>
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<th>Course Title</th>
<th>Instructor</th>
<th>Credit Hrs.</th>
<th>Length of Course</th>
<th>Tuition Cost</th>
<th>Tuition (Free/Reduce)</th>
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### Grade 11 / Junior Year

10 Total Credit Hours

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Instructors</th>
<th>Credit Hrs.</th>
<th>Length of Course</th>
<th>Tuition Cost</th>
<th>Tuition (Free/Reduce)</th>
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</table>

### Grade 12/Senior Year

21 Total Credit Hours

<table>
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<tr>
<th>Course Title</th>
<th>Instructors</th>
<th>Credit Hrs.</th>
<th>Length of Course</th>
<th>Tuition Cost</th>
<th>Tuition (Free/Reduce)</th>
</tr>
</thead>
</table>

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35
English Language Learners: Fort Wayne Community Schools is committed to meeting the educational needs of all students and preparing them for the academic demands of post-secondary education. Course and credit requirements for earning a high school diploma applies to all students, including English learners. The mission of our English Language Learner (ELL) program is to ensure equity and access to high-quality education for all English learners while supporting their English language development as they move towards English language proficiency. Fort Wayne Community Schools provides courses in EL Development, EL Domain Support, ELA Content Support, and EL Math in order to ensure that English learners have access to the language support they need while taking credit-bearing courses that count towards graduation requirements.

EL Development

ENL Newcomer ELA (1012)
LAHNC50100 ENL Newcomer ELA 1
LAHNC50200 ENL Newcomer ELA 2
Recommended Proficiency: Level 1 with more intense need
Corequisite: ENL Newcomer WL
Credits: 2 semester course/1 credit per semester

ENL Newcomer ELA, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana’s Academic Standards for English/Language Arts at a low Entering proficiency level. Taken alongside ENL Newcomer WL. Fulfills an English Language Arts requirement for all diplomas.

ENL Newcomer WL (2188)
WLHNC50100 ENL Newcomer WL 1
WLHNC50200 ENL Newcomer WL 2
Recommended Proficiency: Level 1 with more intense need
Corequisite: ENL Newcomer ELA
Credits: 2 semester course/1 credit per semester

ENL Newcomer WL, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana’s Academic Standards for World Languages at a Novice Low to a Novice Mid-level. Taken alongside ENL Newcomer ELA. Counts as World Language credits for all diplomas.

ENL Entering ELA (1012)
LAHEN50100 ENL Entering ELA 1
LAHEN50200 ENL Entering ELA 2
Recommended Proficiency Level: Level 1
Corequisite: ENL Entering WL
Credits: 2 semester course/1 credit per semester

ENL Entering ELA, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana’s Academic Standards for English/Language Arts at an Entering proficiency level. Taken alongside ENL Entering WL. Fulfills an English Language Arts requirement for all diplomas.
ENGLISH LANGUAGE LEARNERS

ENL Entering WL (2188)
WLHEN50100 ENL Entering WL 1
WLHEN50200 ENL Entering WL 2
Recommended Proficiency: Level 1
Corequisite: ENL Entering ELA
Credits: 2 semester course/1 credit per semester

ENL Entering WL, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana’s Academic Standards for World Languages at a Novice Low to a Novice High level. Taken alongside ENL Entering ELA. Counts as World Language credits for all diplomas.

ENL Emerging (1012)
LAHEM50100 ENL Emerging ELA 1
LAHEM50200 ENL Emerging ELA 2
Recommended Proficiency Level: Level 2
Corequisite: ENL Emerging WL
Credits: 2 semester course/1 credit per semester

ENL Emerging ELA, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana’s Academic Standards for English/Language Arts at an Emerging proficiency level. Taken alongside ENL Emerging WL. Fulfills an English Language Arts requirement for all diplomas.

ENL Emerging WL (2188)
WLHEM50100 ENL Emerging WL 1
WLHEM50200 ENL Emerging WL 2
Recommended Proficiency: Level 2
Corequisite: ENL Emerging ELA
Credits: 2 semester course/1 credit per semester

ENL Emerging WL, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana’s Academic Standards for World Languages at an Intermediate Low to an Intermediate Mid level. Taken alongside ENL Emerging ELA. Counts as World Language credits for all diplomas. All students should be concurrently enrolled in an English course in which class work will address all of the Indiana Academic Standards for English.

EL Developing (2188)
WLHDV50100 EL Developing 1
WLHDV50100 EL Developing 2
Recommended Proficiency Level: Level 2-3
Credits: 2 semester course/1 credit per semester

EL Developing, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana’s Academic Standards for World Languages at an Intermediate Low to an Intermediate Mid level. Counts as World Language credits for all diplomas. All students should be concurrently enrolled in an English course in which class work will address all of the Indiana Academic Standards for English.
ENGLISH LANGUAGE LEARNERS

EL Expanding (2188)
WLHEX50100 EL Expanding 1
WLHEX50200 EL Expanding 2
Recommended Proficiency Level: Level 3-4
Credits: 2 semester course/1 credit per semester

ENL Expanding, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework focuses on the Speaking and Listening domains. Addresses Indiana’s Academic Standards for World Languages at an Intermediate Mid-level to Advanced Low level. Counts as World Language credits for all diplomas. All students should be concurrently enrolled in an English course in which class work will address the Indiana Academic Standards for English.

ENL Critical Reading (2188)
WLHCR50100 ENL Critical Reading 1
WLHCR50200 ENL Critical Reading 2
Recommended Proficiency Level: Level 3-4
Credits: 2 semester course/1 credit per semester

ENL Critical Reading, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework focuses on the reading domain and addresses Indiana’s Academic Standards for World Languages at an Intermediate Mid-level to Advanced Low level. All students should be concurrently enrolled in an English course in which class work will address the Indiana Academic Standards for English. Counts as World Language credits for all diplomas.

ENL Enriched Vocabulary and Writing (2188)
WLHVW50100 ENL Enriched Vocabulary and Writing 1
WLHVW50200 ENL Enriched Vocabulary and Writing 2
Recommended Proficiency Level: Level 3-4
Credits: 2 semester course/1 credit per semester

ENL Enriched Vocabulary and Writing, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework focuses on the writing domain and addresses Indiana’s Academic Standards for World Languages at an Intermediate Mid level to Advanced Low level. All students should be concurrently enrolled in an English course in which class work will address the Indiana Academic Standards for English. Counts as World Language credits for all diplomas.

ELA Content Support

EL English 9 (1002)
LAH0950100 EL English 9-1
LAH0950200 EL English 9-2
Recommended Proficiency Level: Level 2-4
Credits: 2 semester course/1 credit per semester

Indiana Academic Standards for English/Language Arts in Grades 9- 10, is a study of language, literature, composition, and oral communication, focusing on literature with an appropriate level of complexity for this grade band. Students will have additional English Language Development (ELD) support as they use literary interpretation, analysis, comparisons and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write responses to literature, expository (informative) and argumentative/persuasive compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information. Fulfills an English/Language Arts requirement for all diplomas.
ENGLISH LANGUAGE LEARNERS

EL English 9 Support Lab (1010)
LAH9S50100 EL English 9 Support Lab 1
LAH9S50200 EL English 9 Support Lab 2
Recommended Proficiency Level: Level 2-4
Co-requisite: English 9 or EL English 9
Credits: 2 semester course/1 credit per semester

EL English 9 Support Lab is a supplemental course that provides English Learners with individualized or small group instruction designed to support success in completing Language Arts coursework aligned with Indiana’s Academic Standards for English 9 focusing on the writing standards. EL English 9 Support Lab combines standards from English 9 with WIDA English Language Development (ELD) Standards. To be taken concurrently with English 9 or EL English 9. Counts as an elective for all diplomas.

EL English 10 (1004)
LAHE250100 EL English 10-1
LAHE250200 EL English 10-2
Recommended Proficiency Level: Level 2-4
Required Prerequisites: EL English 9 or English 9
Credits: 2 semester course/1 credit per semester

EL English 10, an integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and oral communication, focusing on literature with an appropriate level of complexity for this grade band. Students will have additional English Language Development (ELD) support as they use literary interpretation, analysis, comparisons and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write responses to literature, expository (informative) and argumentative/persuasive compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information. Fulfills an English/Language Arts requirement for all diplomas.

EL English 10 Support Lab (1010)
LAHES50100 EL English 10 Support Lab 1
LAHES50200 EL English 10 Support Lab 2
Recommended Proficiency Level: Level 2-4
Co-requisite: English 10 or EL English 10
Credits: 2 semester course/1 credit per semester

EL English 10 Support Lab is a supplemental course that provides English Learners with individualized or small group instruction designed to support success in completing Language Arts coursework aligned with Indiana’s Academic Standards for English 10 focusing on the writing standards. EL English 10 Support Lab combines standards from English 10 with WIDA English Language Development (ELD) Standards. To be taken concurrently with English 10 or EL English 10. Counts as an elective for all diplomas.

EL Math

EL Basic Math I (0500)
MDHMA50100 EL Basic Math I-1
MDHMA50200 EL Basic Math I-2
Recommended Proficiency Level: Level 1-3
Credits: 2 semester course/1 credit per semester

EL Basic Math I is a course that provides English Learners with individualized instruction to prepare students to be successful with high school mathematics course work. Students will have the opportunity to develop mathematical foundations including basic computation and mathematical fluency skills, which are essential for high school course work achievement. Counts as an Elective for all Diplomas.

EL Basic Math II (0500)
MDHMA50101 EL Basic Math II-1
MDHMA50201 EL Basic Math II-2
Recommended Proficiency Level: Level 1-3
Credits: 2 semester course/1 credit per semester
ENGLISH LANGUAGE LEARNERS

EL Basic Math 2 is a course that provides English Learners with individualized instruction to prepare students to be successful with high school mathematics course work. Students will have continuing opportunities to develop mathematical foundations including computation and mathematical fluency skills, which are essential for high school course work achievement. Counts as an Elective for all Diplomas.

EL Algebra I Lab (2516)
MAHA150100 EL Algebra I Lab 1
MAHA150200 EL Algebra I Lab 2
Recommended Proficiency Level: Level 1-4
Co-requisite: Algebra I
Credits: 2 semester course/1 credit per semester

Algebra I Lab is a mathematics support course for Algebra I. This course provides English Learners with additional time to build the foundations necessary for high school math courses, while concurrently having access to rigorous, grade-level appropriate courses. However, whereas Algebra I contains exclusively grade-level content, EL Algebra I Lab combines standards from high school courses with foundational standards from the middle grades. Course to be taken concurrently with Algebra I. Counts as a Mathematics course for the General Diploma only or as an elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

EL Mathematics Lab–Algebra II (2560)
MAHA250100 EL Mathematics Lab–Algebra II-1
MAHA250200 EL Mathematics Lab–Algebra II-2
Recommended Proficiency Level: Level 1-4
Co-Requisite: Algebra II
Credits: 2 semester course/1 credit per semester

EL Mathematics Lab – Algebra II provides English Learners with individualized instruction designed to support success in completing mathematics coursework aligned with Indiana’s Academic Standards for Algebra II. EL Mathematics Lab – Algebra II combines standards from Algebra II with foundational standards from the middle grades and standards from Algebra I. Course to be taken concurrently with Algebra II. Counts as an elective for all diplomas.
# CAREER EDUCATION PROGRAMS AT THE CAREER ACADEMY

## CONNECTING STUDENTS TO COLLEGE & CAREERS BLUE SHEET

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<thead>
<tr>
<th>Program</th>
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<tr>
<td>CULINARY ARTS</td>
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<tr>
<td>PUBLIC SAFETY</td>
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<tr>
<td>CONSTRUCTION</td>
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<tr>
<td>MANUFACTURING</td>
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<tr>
<td>AVIATION</td>
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<tr>
<td>INFORMATION TECHNOLOGY</td>
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<tr>
<td>EARLY CHILDHOOD EDUCATION</td>
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<td>AUTOMOTIVE</td>
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<tr>
<td>HEALTH SCIENCES</td>
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<tr>
<td>COSMETOLOGY</td>
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<tr>
<td>SPECIAL PROGRAMS</td>
</tr>
</tbody>
</table>

## REGISTRATION & COURSE SELECTION

Learn more at: [https://fortwayneschools.org/fwcscareeracademy](https://fortwayneschools.org/fwcscareeracademy)
Applying to Attend:

The Career Academy application process begins with the student’s homeschool counselor. There is an online application portal that is only for school counselors, both in and outside of FWCS, at this time. Students should meet with their school counselor to discuss scheduling options available to them when considering the Career Academy. The homeschool counselor must sign all applications submitted. Generally, all programs are available to qualified juniors and seniors, with some exceptions made for sophomores.

If an application is submitted by an out of district school or homeschooled student, we require that a transcript accompany the application. For homeschooled students who do not reside in the FWCS district, you should work with the school counselors of the high school you would be attending within the district you reside in order to submit an application. Since all programs offer college dual credits and industry certifications, both a strong mathematics background and a high reading level will help ensure success. You will find the state-recognized certifications and college credits that can be earned for each program on the Connecting Students to Careers and Colleges matrix table below.

In serving Allen County, our programs are not only available to qualified juniors and seniors from FWCS but also to those from SACS, NACS, EACS and homeschooled educational environments.

Parents can obtain a paper copy of the application by reaching out to the Career Academy administration at 467-1010 or their homeschool counselor. In both the fall and spring semesters, students can earn 3 high school credits for a total of 6 each year. All programs are offered in both the AM (9:20-12:05) and PM (12:45-3:30) unless otherwise noted.

Program Locations:

<table>
<thead>
<tr>
<th>Anthis Main Building 1200 S. Barr St.</th>
<th>Automotive &amp; Welding Center - 1219 S. Lafayette</th>
<th>Construction Trades Building 125 Murray Street</th>
<th>Parkview Education Center 1919 W. Cook Road</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Culinary Arts</td>
<td>● Auto Services</td>
<td>● Carpentry</td>
<td>● Central Services Tech</td>
</tr>
<tr>
<td>● Cosmetology</td>
<td>● Collision Repair</td>
<td>● Masonry</td>
<td>● Medical Assisting</td>
</tr>
<tr>
<td>● Early Childhood Education</td>
<td>● Welding Technology</td>
<td>● Electrical</td>
<td>● CNA</td>
</tr>
<tr>
<td>● IT Academy</td>
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<td>● HVAC</td>
<td>● Dental Careers</td>
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<tr>
<td>● Criminal Justice</td>
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<tr>
<td>Public Safety Academy 7602 Patriot Crossing</td>
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<tr>
<td>Smith Field 405 W. Cook Road</td>
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</tr>
<tr>
<td>Ivy Tech North Busse Technology Center 3701 Dean Drive</td>
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</table>

- A shuttle will leave the main building for non-drivers.
- A shuttle will leave the main building for non-drivers.
<table>
<thead>
<tr>
<th>NEXT LEVEL PROGRAM OF STUDY PATHWAY</th>
<th>DUAL CREDITS AVAILABLE</th>
<th>STATE-RECOGNIZED CERTIFICATIONS AVAILABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CULINARY ARTS</strong></td>
<td></td>
<td></td>
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<tr>
<td>Year 1 (Taken Concurrently):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● Principles of Culinary &amp; Hospitality</td>
<td>Ivy Tech: 2 courses, 6 credits</td>
<td>ServSafe Food Manager</td>
</tr>
<tr>
<td>● Nutrition</td>
<td></td>
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<tr>
<td>● Culinary Arts</td>
<td></td>
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<tr>
<td>Year 2:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● Culinary Arts &amp; Hospitality II</td>
<td>Ivy Tech: 3 courses, 9 credits</td>
<td>ProStart National Certificate of Achievement</td>
</tr>
<tr>
<td><strong>PUBLIC SAFETY</strong></td>
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<tr>
<td>Year 1 (Taken Concurrently):</td>
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</tr>
<tr>
<td>● Principles of Criminal Justice</td>
<td>Ivy Tech: 3 courses, 9 credits</td>
<td>Certified Indiana County Jail Officer</td>
</tr>
<tr>
<td>● Law Enforcement Fundamentals</td>
<td></td>
<td>Emergency Telecommunicator Certification - NAED</td>
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<tr>
<td>● Corrections and Cultural Awareness</td>
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<tr>
<td><strong>Fire &amp; Rescue</strong></td>
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<tr>
<td>Year 1 (Taken Concurrently):</td>
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<tr>
<td>● Principles of Public Safety &amp; Hazmat Awareness</td>
<td>Ivy Tech: 4 courses, 12 credits</td>
<td>Fire Fighter I</td>
</tr>
<tr>
<td>● Fire Fighting Fundamentals</td>
<td></td>
<td>Fire Fighter II</td>
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<tr>
<td>● Advanced Fire Fighting</td>
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<tr>
<td><strong>Emergency Medical Services</strong></td>
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<tr>
<td>Year 1 (Taken Concurrently):</td>
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<tr>
<td>● Principles of Healthcare</td>
<td>Ivy Tech: 1 course, 7.5 credits</td>
<td>EMT - Basic</td>
</tr>
<tr>
<td>● Medical Terminology</td>
<td></td>
<td></td>
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<tr>
<td>● Emergency Medical Tech</td>
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<tr>
<td><strong>CONSTRUCTION</strong></td>
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<tr>
<td><strong>Construction Trades: Masonry</strong></td>
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<tr>
<td>Year 1:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● Construction Trades I: Masonry</td>
<td>Ivy Tech: 1 course, 3 credits</td>
<td>NCCER Core Curriculum</td>
</tr>
<tr>
<td>Year 2:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● Construction Trades II: Masonry</td>
<td>No Dual Credit Courses</td>
<td>No 2nd Year Certification</td>
</tr>
<tr>
<td><strong>Construction Trades: Carpentry</strong></td>
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<tr>
<td>Year 1 (Taken Concurrently):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● Principles of Construction Trades</td>
<td>Ivy Tech: 1 course, 3 credits</td>
<td>NCCER Core Curriculum</td>
</tr>
<tr>
<td>● Construction Trades: General Carpentry</td>
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<tr>
<td><strong>Construction Trades: Framing &amp; Finishing</strong></td>
<td>Ivy Tech:</td>
<td>No 2nd Year Certification</td>
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<tr>
<td>Year 2:</td>
<td>Construction Trades II: Carpentry</td>
<td>1 course, 3 credits</td>
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</table>

**Construction Trades: Electrical**

<table>
<thead>
<tr>
<th>Year 1 (Taken Concurrently):</th>
<th>Ivy Tech:</th>
<th>NCCER Core Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Trades</td>
<td>1 course, 3 credits</td>
<td></td>
</tr>
<tr>
<td>Electrical Fundamentals</td>
<td></td>
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<tr>
<td>Advanced Electrical</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2:</th>
<th>Construction Trades II: Electrical</th>
<th>No Dual Credit Courses</th>
<th>NCCER Electrical Level 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Trades</td>
<td>Ivy Tech:</td>
<td>1 course, 3 credits</td>
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</table>

**Heating, Ventilating, and Air Condition Technology (HVAC)**

<table>
<thead>
<tr>
<th>Year 1 (Taken Concurrently):</th>
<th>Ivy Tech:</th>
<th>NCCER HVAC Level 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of HVAC</td>
<td>1 course, 3 credits</td>
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<tr>
<td>HVAC Fundamentals</td>
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<tr>
<td>HVAC Service</td>
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<table>
<thead>
<tr>
<th>Year 2:</th>
<th>Construction Trades II: HVAC</th>
<th>No 2nd Year Certification</th>
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</thead>
<tbody>
<tr>
<td>Construction Trades</td>
<td>Ivy Tech:</td>
<td>1 course, 3 credits</td>
</tr>
</tbody>
</table>

**MANUFACTURING**

**Welding Technology**

<table>
<thead>
<tr>
<th>Year 1 (Taken Concurrently):</th>
<th>Ivy Tech:</th>
<th>AWS Certified Welder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Welding Technology</td>
<td>Year 1 &amp; 2:</td>
<td>4 courses, 12 credits</td>
</tr>
<tr>
<td>Shielded Metal Arc Welding</td>
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<tr>
<td>Gas Welding Processes</td>
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<table>
<thead>
<tr>
<th>Year 2:</th>
<th>Welding Technology II</th>
<th>AWS Certified Welder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welding Technology</td>
<td>Ivy Tech:</td>
<td>Year 1 &amp; 2:</td>
</tr>
<tr>
<td></td>
<td>4 courses, 12 credits</td>
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</table>

**Precision Machining (Dual Enrollment with Ivy Tech)**

<table>
<thead>
<tr>
<th>Year 1 (Taken Concurrently):</th>
<th>Ivy Tech:</th>
<th>NIMS Manual Milling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Precision Machining</td>
<td>6 courses, 18 credits</td>
<td></td>
</tr>
<tr>
<td>Machining Fundamentals</td>
<td></td>
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<tr>
<td>Precision Machining</td>
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<table>
<thead>
<tr>
<th>Year 2:</th>
<th>Precision Machining II</th>
<th>To Be Determined</th>
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</thead>
<tbody>
<tr>
<td>Precision Machining</td>
<td>Ivy Tech:</td>
<td>3 courses, 9 credits</td>
</tr>
</tbody>
</table>

**AVIATION**

**Aviation Maintenance (Dual Enrollment with Ivy Tech)**

<table>
<thead>
<tr>
<th>Year 1:</th>
<th>Aviation Maintenance I</th>
<th>To Be Determined</th>
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</thead>
<tbody>
<tr>
<td>Aviation Maintenance</td>
<td>Ivy Tech:</td>
<td>6 courses, 18 credits</td>
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</tbody>
</table>

**INFORMATION TECHNOLOGY**

**Networking**

<table>
<thead>
<tr>
<th>Year 1 (Taken Concurrently):</th>
<th>Vincennes:</th>
<th>CompTia A+ Certification</th>
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</thead>
<tbody>
<tr>
<td>Principles of Computing</td>
<td>Vincennes:</td>
<td>3 courses, 9 credits</td>
</tr>
<tr>
<td>Information Technology Fundamentals</td>
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</table>

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<table>
<thead>
<tr>
<th>Program</th>
<th>Year 1 (Taken Concurrently):</th>
<th>Year 2:</th>
<th>Notes</th>
</tr>
</thead>
</table>
| Networking Fundamentals | ● Principles of Computing  
● Website & Database Development  
● Software Development | Ivy Tech:  
● 5 courses, 15 credits | To Be Determined                           |
|                         | **Software Development**                            |                                          |                                             |
|                         | **Year 1 (Taken Concurrently):**  
● Principles of Computing  
● Website & Database Development  
● Software Development | Ivy Tech:  
● 5 courses, 15 credits | To Be Determined                           |
|                         | **Year 2:**  
● Computer Science III: Software Development Capstone  
● Computer Science III: Cybersecurity Capstone | No Dual Credit Courses | To Be Determined                           |
|                         | **Graphic Imaging**                                |                                          |                                             |
|                         | **Year 1 (Taken Concurrently):**  
● Principles of Digital Design  
● Graphic Design & Layout  
● Advanced Graphic Design | Vincennes:  
● 2 courses, 6 credits | Adobe Certified Associate (must pass 3 exams) |
|                         | **Interactive Media**                              |                                          |                                             |
|                         | **Year 1 (Taken Concurrently):**  
● Principles of Digital Design  
● Digital Design Graphics  
● Interactive Media Design | Vincennes:  
● 2 course, 6 credits | Adobe Certified Associate (must pass 3 exams) |
|                         | **Television & Radio**                             |                                          |                                             |
|                         | **Year 1 (Taken Concurrently):**  
● Principles of Radio & TV  
● Audio & Video Production  
● Mass Media Performance | Vincennes:  
● 2 courses, 6 credits | To Be Determined                           |
|                         | **Year 2:**  
● Radio & TV II | No Dual Credit Courses | To Be Determined                           |
|                         | **EARLY CHILDHOOD EDUCATION**                       |                                          |                                             |
|                         | **Early Childhood**                                |                                          |                                             |
|                         | **Year 1 (Taken Concurrently):**  
● Principles of Early Childhood Education  
● Early Childhood Education Curriculum  
● Early Childhood Education Guidance | Ivy Tech:  
● 3 courses, 9 credits | No Year 1 Certification                    |
|                         | **Year 2:**  
● Early Childhood Education II | Ivy Tech:  
● 1 course, 3 credits | Child Development Associate (CDA - Year 2 Only) |
|                         | **AUTOMOTIVE**                                     |                                          |                                             |
|                         | **Automotive Services**                            |                                          |                                             |
|                         | **Year 1 (Taken Concurrently):**  
● Principles of Automotive Services  
● Brake Systems  
● Steering & Suspensions | Ivy Tech:  
● 4 courses, 12 credits | Automotive Service Excellence (ASE)         |
|                         | **Year 2:**  
● Automotive Services Technology II | Ivy Tech:  
● 3 courses, 9 credits | Automotive Service Excellence (ASE)         |
<table>
<thead>
<tr>
<th>Automotive Collision Repair</th>
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</thead>
<tbody>
<tr>
<td>Year 1 (Taken Concurrently):</td>
</tr>
<tr>
<td>● Principles of Collision Repair</td>
</tr>
<tr>
<td>● Plastic Body Repair and Painting Fundamentals</td>
</tr>
<tr>
<td>● Automotive Body Repair</td>
</tr>
<tr>
<td>Ivy Tech:</td>
</tr>
<tr>
<td>Year 1 &amp; 2:</td>
</tr>
<tr>
<td>● 2 courses, 6 credits</td>
</tr>
<tr>
<td>Automotive Service Excellence (ASE)</td>
</tr>
</tbody>
</table>

| Year 2: |
| ● Automotive Collision Repair II |
| Ivy Tech |
| Year 1 & 2: |
| ● 2 courses, 6 credits |
| Automotive Service Excellence (ASE) |

**HEALTH SCIENCES**

Central Services Tech/Surgical Technician

| Year 1 (Taken Concurrently): |
| ● Principles of Healthcare |
| ● Medical Terminology |
| ● Central Services Technician Fundamentals |
| Ivy Tech: |
| ● 2 courses, 6 credits |
| To Be Determined |

**Medical Assistant**

| Year 1 (Taken Concurrently): |
| ● Principles of Healthcare |
| ● Medical Terminology |
| ● Certified Clinical Medical Assistant: CCMA |
| Ivy Tech: |
| ● 2 courses, 6 credits |
| Certified Clinical Medical Assistant (CCMA) |

**Dental Careers**

| Year 1: |
| ● Dental Careers I |
| Ivy Tech: |
| ● 2 courses, 6 credits |
| National Entry Level Dental Assistant (NELDA) |

**Pre-Nursing/Healthcare Specialists: CNA**

| Year 1 (Taken Concurrently): |
| ● Principles of Healthcare |
| ● Medical Terminology |
| ● Healthcare Specialist: CNA |
| Ivy Tech: |
| ● 3 courses, 9 credits |
| Certified Nursing Assistant (CNA) |

**COSMETOLOGY**

Cosmetology

| Year 1: |
| ● Cosmetology I |
| Vincennes: |
| ● 2 courses, 14 credits |
| No Year 1 Certification |

| Year 2: |
| ● Cosmetology II |
| Vincennes: |
| ● 2 courses, 16 credits |
| Indiana State Board of Cosmetology & Barber Examiners - 1500 Cosmetology (Year 2 Only) |

**WORK-BASED LEARNING**

Work-Based Learning

| Year 2 (Senior Only): |
| ● Work-Based Learning Capstone |
| No Dual Credit Courses |
| No Certifications |
Take the opportunity to learn kitchen and hospitality management skills you will need to enter the hospitality and food service field. Students will have the opportunity to work in a commercial kitchen and participate in catering events and special activities along with food safety and sanitation. There are even potential opportunities to learn the latest baking techniques.

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<thead>
<tr>
<th>NEXT LEVEL PROGRAM OF STUDY PATHWAY</th>
<th>DUAL CREDITS AVAILABLE</th>
<th>STATE-RECOGNIZED CERTIFICATIONS AVAILABLE</th>
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<tbody>
<tr>
<td>Year 1 (Taken Concurrently):</td>
<td></td>
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</tr>
<tr>
<td>● Principles of Culinary &amp; Hospitality</td>
<td>Ivy Tech: 2 courses, 6 credits</td>
<td>ServSafe Food Manager</td>
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<tr>
<td>● Nutrition</td>
<td></td>
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<tr>
<td>● Culinary Arts</td>
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<tr>
<td>Year 2:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>● Culinary Arts &amp; Hospitality II</td>
<td>Ivy Tech: 3 courses, 9 credits</td>
<td>ProStart National Certificate of Achievement</td>
</tr>
</tbody>
</table>

**Principles of Culinary & Hospitality (7173)**
FCAPC00100 Principles of Culinary & Hospitality I-1
FCAPC00200 Principles of Culinary & Hospitality I-2
Recommended Grade Levels: 9, 10, 11
Required Prerequisites: None
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Culinary & Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the food service and lodging industry. Introduces Procedures for decision making which affects operation management, products, labor, and revenue. Additionally, this course will help students learn basic principles of sanitation and safety in order to maintain a safe and healthy food service environment. It presents laws and regulations related to safety, fire, and sanitation and how to adhere to them in the food service operation. Counts as a directed elective or elective for all diplomas.

**Nutrition (7171)**
FCANU00100 Nutrition I
FCANU00200 Nutrition II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Culinary Hospitality
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Nutrition students will learn the fundamentals of food preparation, service procedures, and safety practices in the food service industry including proper operation techniques for equipment. This course also provides a background and history of the hospitality industry and introduces the student to the broad spectrum of hospitality/food service organizations and career opportunities. Students will be familiarized with the organizational structure and basic functions of departments. Additionally, this course introduces the characteristics, functions and food sources of the major nutrient groups and how to maximize nutrient retention in food preparation and storage. Students will be made aware of nutrient needs throughout the life cycle and to apply those principles to menu planning and food preparation. Counts as a directed elective or elective for all diplomas.

**Culinary Arts (7169)**
FCACA00100 Culinary I
FCACA00200 Culinary II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Hospitality; and Nutrition
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Culinary Arts is designed to teach the necessary skills for proper recruiting, staffing, training, and management of employees at various levels. The course will help prepare the student for the transition from employee to supervisor. It will help the student evaluate styles of leadership, and develop skills in human relations and personnel management. This course will also present fundamentals of baking science, terminology, ingredients, weights and measures, and proper use and care of equipment. Students will produce yeast goods, pies, cakes, cookies, and quick breads. Counts as a directed elective or elective for all diplomas.

**Culinary Arts and Hospitality II: Culinary Arts (5346)**
FCACH91100 Culinary Arts and Hospitality II: Culinary Arts 1
FCACH91200 Culinary Arts and Hospitality II: Culinary Arts 2
Recommended Grade Levels: 12
Required Prerequisites: Culinary and Hospitality I
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Culinary Arts and Hospitality Management prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the hospitality industry. This course builds a foundation that prepares students to enter the Advanced Culinary Arts or Advanced Hospitality courses. Major topics include introduction to the hospitality industry; food safety and personal hygiene; sanitation and safety; regulations, procedures, and emergencies; basic culinary skills; culinary math; and food preparation techniques and applications; principles of purchasing, storage, preparation, and service of food and food products; application of sanitation and safety principles to maintain safe and healthy food service and hospitality environments; use and maintenance of related tools and equipment; and application of management principles. Intensive, teacher monitored standards-based laboratory experiences with commercial applications are required and may be either school-based or "on-the-job" or a combination of the two. Work-based experiences in the food industry are strongly encouraged. Articulation with postsecondary programs is encouraged. Counts as a Directed Elective or Elective for all diplomas. This course is aligned with postsecondary courses for Dual Credit.

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**Public Safety**

Whether you are interested in crime scene investigation, firefighting or becoming an emergency first responder, our public safety program will take you out of the classroom and into the world of public safety. Be prepared to rappel from a fire tower, witness the urgency of an emergency room and experience a virtual training of a crime in progress.

**EMERGENCY MEDICAL SERVICES**

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<tbody>
<tr>
<td>Year 1 (Taken Concurrently):</td>
<td>Ivy Tech:</td>
<td>EMT - Basic</td>
</tr>
<tr>
<td>• Principles of Healthcare</td>
<td>• 1 course, 7.5 credits</td>
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<tr>
<td>• Medical Terminology</td>
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<tr>
<td>• Emergency Medical Tech</td>
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**Principles of Healthcare (7168)**
HSAPH00100 Principles of Healthcare I
HSAPH00200 Principles of Healthcare II
Recommended Grade Levels: 9, 10, 11
Required Prerequisites: None
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
Principles of Healthcare content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student’s career objectives. Counts as a directed elective or elective for all diplomas.

**Medical Terminology (5274)**

**Prerequisites:**
- **Required Prerequisites:** None
- **Recommended Prerequisites:** None

**Credits:** 2 semester course, 2 semesters required, 1 credit per semester, maximum of 2 credits

Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including; appropriate and accurate meaning, spelling, and pronunciation of medical terms, and abbreviations, signs, and symbols. Counts as a directed elective or elective for all diplomas.

**Emergency Medical Tech (7165)**

**Prerequisites:**
- **Required Prerequisites:** Principles of Healthcare; and Medical Terminology
- **Recommended Prerequisites:** None

**Credits:** 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

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<th>FIRE &amp; RESCUE</th>
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<td>STATE-RECOGNIZED CERTIFICATIONS AVAILABLE</td>
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</table>

| Year 1 (Taken Concurrently): |
| Principles of Public Safety & Hazmat Awareness |
| Fire Fighting Fundamentals |
| Advanced Fire Fighting |
| Ivy Tech: |
| 4 courses, 12 credits |
| Fire Fighter I |
| Fire Fighter II |

**Principles of Public Safety and Hazmat Awareness (7195)**

**Prerequisites:**
- **Required Prerequisites:** None
- **Recommended Prerequisites:** None

**Credits:** 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Public Safety provides the student with an overview of the requirements necessary to complete a degree in Public Safety; including an overview of faculty expectations and support that is offered to students in this program. Students are introduced to the degree requirements and are guided through the completion of an Individual Academic Plan. Students are introduced to Student Retention Services, Library System and Research, Writing Tutorial Services, and Career Services for assistance in successfully completing projects throughout the course and degree program. Areas of interest include Fire Science, Homeland Security, Environmental Health and Safety, and Emergency Medical Services. In addition to these competencies, students will also cover an array of topics under hazmat awareness and operations including hazardous materials definitions; regulations; statistics;
properties and hazards; hazardous materials identification; incident management priorities; strategic goals and tactical objectives; personal protective equipment; contamination and decontamination; incident-specific strategies and tactics; terrorists and other criminal activities. Counts as a directed elective or elective for all diplomas.

**Fire Fighting Fundamentals (7189)**  
**TIAFF00100 Fire Fighting Fundamentals I**  
**TIAFF00200 Fire Fighting Fundamentals II**  
Recommended Grade Levels: 10, 11, 12  
Required Prerequisites: Principles of Public Safety and Hazmat Awareness  
Recommended Prerequisites: None  
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Fire Fighting Fundamentals is for those students who are seeking certification as a firefighter. This course will introduce the student to NFPA 1001 which serves as the standard of measurement for all fire fighters in North America. Introduced students to fire service terminology, history and basic firefighting skills needed to complete and pass all requirements designed by the Department of Homeland Security for Basic, Mandatory and Fire Fighter I. Furthermore, students will study fire protection systems, firefighter safety and survival. Students will also learn what fire is, the chemical hazards of combustion and related byproducts of fire. Fire department organization, administration, operations, and basic strategies and tactics will be covered. Counts as a directed elective or elective for all diplomas.

**Advanced Fire Fighting (7186)**  
**TIAAFF00100 Advanced Fire Fighting I**  
**TIAAFF00200 Advanced Fire Fighting II**  
Recommended Grade Levels: 10, 11, 12  
Required Prerequisites: Principles of Public Safety and Hazmat Awareness  
Recommended Prerequisites: None  
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Advanced Fire Fighting builds on skills learned in Fire Fighting Fundamentals. The Fire and Rescue curriculum may include five Indiana state fire certifications: (1) Mandatory, (2) Firefighter I, (3) Firefighter II, (4) Hazardous Materials Awareness, and (5) Hazardous Materials Operations. An additional two industry certifications may be earned by adding (6) First Responder, and (7) Emergency Medical Technician-Basic to the curriculum. Counts as a directed elective or elective for all diplomas.

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### CRIMINAL JUSTICE

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<tr>
<td><strong>Year 1 (Taken Concurrently):</strong></td>
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<td></td>
</tr>
<tr>
<td>• Principles of Criminal Justice</td>
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<tr>
<td>• Law Enforcement Fundamentals</td>
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<tr>
<td>• Corrections and Cultural Awareness</td>
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<tr>
<td>Ivy Tech: 3 courses, 9 credits</td>
<td></td>
<td>Certified Indiana County Jail Officer</td>
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<tr>
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<td>Emergency Telecommunicator Certification - NAED</td>
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</table>

**Principles of Criminal Justice (7193)**  
**TIAPC00100 Principles of Criminal Justice I**  
**TIAPC00200 Principles of Criminal Justice II**  
Recommended Grade Levels: 9, 10, 11  
Required Prerequisites: None  
Recommended Prerequisites: None  
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Criminal Justice covers the purposes, functions, and history of the three primary parts of the criminal justice system: law enforcement, courts, and corrections. This course further explores the interrelationships and responsibilities of these three primary elements of the criminal justice system. It will critically examine the history and nature of the major theoretical perspectives in criminology, and the theories found within those perspectives. Analyzes the research support for such theories and perspectives, and the connections between theory and criminal justice system practice within all the major components of the criminal justice system. Demonstrates the application of specific theories to explain violent and non-violent criminal behavior on both the micro and macro levels of analysis. Counts as a directed elective or elective for all diplomas.

**Law Enforcement Fundamentals (7191)**  
**TIALE00100 Law Enforcement Fundamentals I**  
**TIALE00200 Law Enforcement Fundamentals II**
Law Enforcement Fundamentals introduces fundamental law enforcement operations and organization. Includes the evolution of law enforcement at federal, state, and local levels. Emphasizes the study of American criminal justice problems and systems in historical and cultural perspectives, as well as discussing social and public policy factors affecting crime. Counts as a directed elective or elective for all diplomas.

**Corrections and Cultural Awareness (7188)**

**TIACC00100 Corrections and Cultural Awareness I**

**TIACC00200 Corrections and Cultural Awareness II**

Recommended Grade Levels: 10, 11, 12

Required Prerequisites: Principles of Criminal Justice; and Law Enforcement Fundamentals

Recommended Prerequisites: None

Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Corrections and Cultural Awareness introduces topics related to the adjudication process in criminal cases, including arraignments and preliminary hearings, suppression hearings, trials, sentencing, juvenile court, and probation and parole. Reviews the role of criminal justice personnel in court processes. This course also examines the American correctional system; the study of administration of local, state, and federal correctional agencies. The examination includes the history and development of correctional policies and practices, criminal sentencing, jails, prisons, alternative sentencing, prisoner rights, rehabilitation, and community corrections including probation and parole. Current philosophies of corrections and the debates surrounding the roles and effectiveness of criminal sentences, institutional procedures, technological developments, and special populations are discussed. Counts as a directed elective or elective for all diplomas.

Take a big step toward a career in construction by participating in the Construction program. Learn the fundamentals of masonry/concrete, finish carpentry, electrical, HVAC and Plumbing. Be a part of building a house and other on-site projects utilizing real world products with real world machines in real construction settings. Take pride in knowing you are part of a team that participated in construction projects throughout the community.

### CONSTRUCTION TRADES - MASONRY

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</thead>
</table>
| Year 1: 
  ● Construction Trades I: Masonry | Ivy Tech: 
  ● 1 course, 3 credits | NCCER Core Curriculum |
| Year 2: 
  ● Construction Trades II: Masonry | ● No Dual Credit Courses | No 2nd Year Certification |

**Construction Trades I (5580)**

**TIAN191101 Construction Trades I: Carp/Mason 1**

**TIAN191201 Construction Trades I: Carp/Mason 2**

Recommended Grade Levels: 11, 12

Recommended Prerequisites: Introduction to Construction

Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits
Construction Trades I classroom and laboratory experiences involve the formation, installation, maintenance, and repair of buildings, homes, and other structures. A history of construction, future trends and career options, reading technical drawings and transforming those drawings into physical structures are covered. The relationship of views and details, interpretation of dimension, transposing scale, tolerance, electrical symbols, sections, materials list, architectural plans, geometric construction, three-dimensional drawing techniques, and sketching will be presented as well as elementary aspects of residential design and site work. Areas of emphasis will include print reading and drawing, room schedules and plot plans. Students will examine the design and construction of floor and wall systems and develop layout and floor construction skills. Blueprints and other professional planning documents will also be covered. Students will develop an understanding and interpretation of the Indiana Residential Code for one and two family dwellings and safety practices including Occupational Safety and Health Administration Safety and Health Standards for the construction industry. Counts as a Directed Elective or Elective for all diplomas. Qualifies as a quantitative reasoning course.

Construction Trades II (5578)
TIAN191101 Construction Trades II: Carp/Mason 1
TIAN191201 Construction Trades II: Carp/Mason 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Construction Trades I
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Construction Trades II builds on the formation, installation, maintenance, and repair skills learned in Construction Trades I. Information on materials, occupations, and professional organizations within the industry will be covered. Students will develop basic knowledge, skills, and awareness of interior trim and the installation of drywall, moldings, interior doors, kitchen cabinets, and baseboard moldings. Students will also develop exterior finishing competencies. The course includes instruction on the installation of cornices, windows, doors and various types of sidings currently used in industry. Studies will also focus on the design and construction of roof systems and the use of framing squares for traditional rafter and truss roofing. Counts as a Directed Elective or Elective for all diplomas. Qualifies as a quantitative reasoning course.

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<tr>
<td><strong>CONSTRUCTION TRADES - CARPENTRY</strong></td>
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<tr>
<td>Year 1 (Taken Concurrently):</td>
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<tr>
<td>● Principles of Construction Trades</td>
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<tr>
<td>● Construction Trades: General Carpentry</td>
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<tr>
<td>● Construction Trades: Framing &amp; Finishing</td>
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<td>Year 2:</td>
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<tr>
<td>● Construction Trades II: Carpentry</td>
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<tr>
<td>Ivy Tech:</td>
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<tr>
<td>● 1 course, 3 credits</td>
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<td>NCCER Core Curriculum</td>
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<td>Year 2:</td>
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<td></td>
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<tr>
<td>● Construction Trades II: Carpentry</td>
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<tr>
<td>Ivy Tech:</td>
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<tr>
<td>● 1 course, 3 credits</td>
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<td>No 2nd Year Certification</td>
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| **CONSTRUCTION TRADES - ELECTRICAL** |                        |                                          |
| Year 1 (Taken Concurrently):        |                        |                                          |
| ● Principles of Construction Trades |                        |                                          |
| ● Electrical Fundamentals           |                        |                                          |
| ● Advanced Electrical               |                        |                                          |
| Year 2:                             |                        |                                          |
| ● Construction Trades II: Electrical|                        |                                          |
| Ivy Tech:                           |                        |                                          |
| ● 1 course, 3 credits              |                        | NCCER Core Curriculum                    |
| Year 2:                             |                        |                                          |
| ● Construction Trades II: Electrical|                        |                                          |
| ● No Dual Credit Courses            |                        | NCCER Electrical Level 1                 |

Principles of Construction Trades (7130)
TIACT00100 Principles of Construction Trades I
TIACT00200 Principles of Construction Trades II
Recommended Grade Levels: 9, 10, 11
Required Prerequisites: None
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Construction Trades covers the NCCER Core Curriculum and is a prerequisite to most other construction courses. Its modules cover topics such as basic safety, communication skills, and introduction to construction drawings; all basic skills needed to continue education in the construction program. Counts as a directed elective or elective for all diplomas.
Construction Trades: General Carpentry (7123)
TIAGC00100 Construction Trades: General Carpentry I
TIAGC00200 Construction Trades: General Carpentry II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Construction Trades
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Construction Trades: General Carpentry covers the NCCER Carpentry Level 1. Its modules cover topics such as building materials, fasteners, adhesives, hand and power tools, introduction to construction drawings, specifications, layout, floor systems, wall systems, ceiling joist and roof framing, basic stair layout, and introduction to building envelope systems. Counts as a directed elective or elective for all diplomas.

Construction Trades: Framing and Finishing (7122)
TIAFR00100 Construction Trades: Framing and Finishing I
TIAFR00200 Construction Trades: Framing and Finishing II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Construction Trades; and Construction Trades: General Carpentry
Recommended Prerequisites: None

Construction Trades: Framing and Finishing covers NCCER Carpentry Framing and Finishing Level 2. Its modules cover topics such as commercial drawings, roofing applications, thermal and moisture protection, exterior finishing, cold-formed steel framing, drywall installation and finishing, doors and door hardware, suspended ceilings, window, door, floor, and ceiling trim, and cabinet installation.

Electrical Fundamentals (7124)
TIAEF00100 Electrical Fundamentals I
TIAEF00200 Electrical Fundamentals II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Construction Trades
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course covers NCCER Electrical Level 1. Its modules cover topics such as orientation to the electrical trade, electrical safety, introduction to electrical circuits, electrical theory, introduction to the National Electrical Code, device boxes, hand bending, raceways and fittings, conductors and cables, basic electrical construction drawings, residential electrical services, and electrical test equipment. The NCCER Electrical Level 1 certificate and wallet card will also be awarded upon successful completion of this course. Counts as a directed elective or elective for all diplomas.

Advanced Electrical (7119)
TIAAE00100 Advanced Electrical I
TIAAE00200 Advanced Electrical II
Recommended Grade: 10, 11, 12
Required Prerequisites: Principles of Construction Trades; and Electrical Fundamentals
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Advanced Electrical covers topics such as alternating current, motors: theory and application, electric lighting, conduit bending, and pull and junction boxes. The second part of the course will cover topics such as conductor installations, cable tray, conductor terminations and splices, grounding and bonding, circuit breakers and fuses, control systems and fundamental concepts. Students will be ready to complete the NCCER Electrical Level 2 certificate upon successful completion of the course. Counts as a directed elective or elective for all diplomas.

Construction Trades: Electrical II (4832)
TIAN291102 Construction Trades: Electrical II-1
TIAN291202 Construction Trades: Electrical II-2
Recommended Grade Levels: 11, 12
Required Prerequisites: Construction Trades: Electrical I
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Construction Technology: Electrical II includes classroom and laboratory experiences concerned with the practice of residential wiring, including electrical service, metering equipment, lighting, switches, outlets and other common components, and methods of installation and maintenance of the residential wiring system in accordance with the current National Electrical Code. Studies
include mechanical installation of hardware as well as electrical design and layout. This course also focuses on specific tool use, material selection, and installation of multiple electrical systems. Instruction in thinking critically to analyze, synthesize, and evaluate technical problems and information will also be covered as it relates to health, safety, and welfare standards and codes as dictated by local, state or federal agencies. This course also aims to place students within the community working with local electrical companies to further their knowledge and skill in the electrical trades. Students will work beside electrical professionals receiving OJT hours towards their journeyman’s license. Students will also work towards their OSHA 10 certification. Counts as a Directed Elective or Elective for all diplomas and Qualifies as a Quantitative Reasoning course. This course is aligned with postsecondary courses for Dual Credit.

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<tbody>
<tr>
<td>Year 1 (Taken Concurrently):</td>
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</tr>
<tr>
<td>• Principles of HVAC</td>
<td>Ivy Tech:</td>
<td>NCCER HVAC Level 1</td>
</tr>
<tr>
<td>• HVAC Fundamentals</td>
<td>1 course, 3 credits</td>
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<tr>
<td>• HVAC Service</td>
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<tr>
<td>Year 2:</td>
<td></td>
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<tr>
<td>• Construction Trades II: HVAC</td>
<td>Ivy Tech:</td>
<td>No 2nd Year Certification</td>
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<tr>
<td></td>
<td>1 course, 3 credits</td>
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</table>

**Principles of Heating, Ventilation, and Air Conditioning (HVAC) (7131)**
TIAPH00100 Principles of Heating, Ventilation, and Air Conditioning I
TIAPH00200 Principles of Heating, Ventilation, and Air Conditioning II
Recommended Grade Levels: 9, 10, 11
Required Prerequisites: None
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Heating, Ventilation and Air Conditioning (HVAC) This covers many of the topics needed for students to be successful in the mechanical construction industry. Its modules include history of HVAC industry, OSHA 10-hour construction industry training, and communication and customer service skills. This course will also cover basic electricity concepts. Counts as a directed elective or elective for all diplomas.

**HVAC Fundamentals (7125)**
TIAHF00100 HVAC Fundamentals I
TIAHF00200 HVAC Fundamentals II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of HVAC
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

HVAC Fundamentals introduces fundamentals applicable to the heating and refrigeration phases of air conditioning. Includes types of units, parts, basic controls, functions, and applications. Emphasizes practices, tool and meter use, temperature measurement, heat flow, the combustion process and piping installation practices. Covers the basic sequence of operation for gas, oil and electric furnaces. Introduction to compression systems used in mechanical refrigeration including the refrigeration cycle and system components. Introduces safety procedures, proper use of tools used to install and service refrigeration equipment, refrigerant charging and recovery, system evacuation, calculating superheat and sub cooling and using a refrigerant temperature/pressure chart. This course will use lecture, lab and online simulation to prepare students for the nationally recognized certification exam as part of the outcome assessment learning objectives.

**HVAC Service (7126)**
TIAHS00100 HVAC Service I
TIAHS00200 HVAC Service II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of HVAC, HVAC Fundamentals
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

HVAC Service continues the study of air conditioning and refrigeration along with the procedures used to analyze mechanical and electrical problems encountered when servicing heating systems. Students will better understand compressors, metering devices, system recharging, refrigerant recovery, basics of motor types, equipment installation and troubleshooting practices as they apply to
air conditioning and refrigeration systems. Additionally, students will be able to understand electrical schematics and connection diagrams, combustion testing, venting and combustion air requirements, sequence of operation, heating controls, troubleshooting techniques, installation practices, basic codes applying to furnace codes, and service procedures. This course will use lecture, lab and online simulation to prepare students for the nationally recognized certification exam as part of the outcome assessment learning objectives. Counts as a directed elective or elective for all diplomas.

**Construction Trades: HVAC II (5498)**
TIAN291102 Construction Trades: HVAC/Plumbing II- 1
TIAN291202 Construction Trades: HVAC/Plumbing II- 2
Recommended Grade Levels: 12
Required Prerequisites: Construction Trades: HVAC I
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Construction Technology II builds on the formation, installation, maintenance, repair skills learned in Construction Technology I. Information on materials, occupations, and professional organizations within the industry will be covered. Students will develop basic knowledge, skills, and awareness of interior trim and the installation of drywall, moldings, interior doors, kitchen cabinets, and baseboard moldings. Students will also develop exterior finishing competencies. The course includes instruction on the installation of cornices, windows, doors and various types of sidings currently used in industry. Studies will also focus on the design and construction of roof systems and the use of framing squares for traditional rafter and truss roofing. Counts as a Directed Elective or Elective for all diplomas and Qualifies as a Quantitative Reasoning course.

Students can move right into the workforce or continue their welding education after high school. If you want to use your mechanical aptitude and have a high interest in precision work, consider our Precision Machine program.

**WELDING TECHNOLOGY**

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<th>NEXT LEVEL PROGRAM OF STUDY PATHWAY</th>
<th>DUAL CREDITS AVAILABLE</th>
<th>STATE-RECOGNIZED CERTIFICATIONS AVAILABLE</th>
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<tbody>
<tr>
<td>Year 1 (Taken Concurrently):</td>
<td></td>
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</tr>
<tr>
<td>● Principles of Welding Technology</td>
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<td>AWS Certified Welder</td>
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<tr>
<td>● Shielded Metal Arc Welding</td>
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<tr>
<td>● Gas Welding Processes</td>
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<tr>
<td>Year 1 &amp; 2:</td>
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<tr>
<td>● 4 courses, 12 credits</td>
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<tr>
<td>Year 2:</td>
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<tr>
<td>● Welding Technology II</td>
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<td>AWS Certified Welder</td>
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<tr>
<td>Year 1 &amp; 2:</td>
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<tr>
<td>● 4 courses, 12 credits</td>
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**Principles of Welding Technology (7110)**
TIAPW00100 Principles of Welding Technology I
TIAPW00200 Principles of Welding Technology II
Recommended Grade Levels: 9, 10, 11
Required Prerequisites: None
Recommended Prerequisites: Introduction to Manufacturing
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

**Shielded Metal Arc Welding (7111)**
TIASM00100 Shielded Metal Arc Welding I
TIASM00200 Shielded Metal Arc Welding II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Welding Technology
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

**Gas Welding Processes (7101)**
TIAGW00100 Gas Welding Processes I
TIAGW00200 Gas Welding Processes II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Welding Technology
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

A course designed to cover the operation of Gas Metal Arc Welding (MIG) equipment. This will include all settings, adjustments and maintenance needed to weld with a wire feed system. Instruction on both short-arc and spray-arc transfer methods will be covered. Tee, lap, and open groove joints will be done in all positions with solid, fluxcore, and aluminum wire. Test plates will be made for progress evaluation. Schools will have the option to introduce students to both MIG and TIG welding rather than focusing solely on MIG welding. Counts as a directed elective or elective for all diplomas.

**Welding Technology II (5778)**
TIAW291100 Welding Technology II-1
TIAW291200 Welding Technology II-2
Recommended Grade Levels: 12
Recommended Prerequisites: Welding Technology I
Credits: 3 credits per semester, 2 semesters maximum, 6 credits maximum

Welding Technology II builds on the Gas Metal Arc welding, Flux Cored Arc Welding, Gas Tungsten Arc welding, Plasma Cutting and Carbon Arc skills covered in Welding Technology I. Emphasis is placed on safety at all times. OSHA standards and guidelines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld and be prepared for college and career success. Counts as a Directed Elective or Elective for all diplomas. This course is aligned with postsecondary courses for Dual Credit.

<table>
<thead>
<tr>
<th>PRECISION MACHINING</th>
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<tr>
<td>NEXT LEVEL PROGRAM OF STUDY PATHWAY</td>
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<tr>
<td>Year 1 (Taken Concurrently):</td>
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<tr>
<td>● Principles of Precision Machining</td>
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<tr>
<td>● Machining Fundamentals</td>
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<tr>
<td>● Precision Machining</td>
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<tr>
<td>Year 2:</td>
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<tr>
<td>● Precision Machining II</td>
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</tbody>
</table>

**Principles of Precision Machining (7109)**
TIAPP00100 Principles of Precision Machining I
TIAPP00200 Principles of Precision Machining II
Recommended Grade Levels: 9, 10, 11
Required Prerequisites: None
Recommended Prerequisites: Introduction to Advanced Manufacturing
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Precision Machining will instruct students in shop safety, industrial terminology, tools and machine tooling, measurement, and layout. Includes laboratory exercises to begin project completion of turning, milling, and grinding applications. This course incorporates certification assessment for the National Institute of Metalworking Skills Measurement, Materials and Safety, Job Planning, Bench work, and Layout Certification. Applies mathematics in solving engineering and design related problems in the areas of die design, fabrication, assembly, special machinery, die-casting and molds. Emphasizes geometric dimensioning and applying tolerances. Counts as a directed elective or elective for all diplomas.

**Machining Fundamentals (7105)**

**TIAMF00100 Machining Fundamentals I**
**TIAMF00200 Machining Fundamentals II**

Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Precision Machining
Recommended Prerequisites: None

Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Machining Fundamentals instructs students in shop safety, industrial terminology, and provides laboratory experience toward project completion on the conventional lathe, vertical and/horizontal milling machine, and abrasive processing machines, including super abrasive technology processes. This course incorporates certification assessment for the National Institute of Metalworking Skills Manual Milling Certification. Counts as a directed elective or elective for all diplomas. Qualifies as a quantitative reasoning course.

**Precision Machining (7107)**

**TIAPM00100 Precision Machining I-1**
**TIAPM00200 Precision Machining I-2**

Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Precision Machining; and Machining Fundamentals
Recommended Prerequisites: None

Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Precision Machining introduces and instructs students in all aspects of Computer Numeric Control (CNC) machine operation and setup. The student will set up and operate CNC mills and lathes utilizing set-up, production, in-process inspection, and preventive maintenance methods similar to what the student may experience in the present day work environment. This course prepares students to take the NIMS Level I CNC operations certification. Counts as a directed elective or elective for all diplomas. Qualifies as a quantitative reasoning course.

**Precision Machining II (5784)**

**TICM291100 Precision Machining II-1**
**TICM291200 Precision Machining II-2**

Recommended Grade Levels: 12
Required Prerequisites: Precision Machining I
Credits: 2 semester course, 2 semesters required, 3 credits per semester, 6 credits maximum

Precision Machining II is a more in-depth study of skills learned in Precision Machining I, with a stronger focus in CNC setup/operation/programming. Classroom activities will concentrate on precision set-up and inspection work as well as machine shop calculations. Students will develop skills in advanced machining and measuring parts involving tighter tolerances and geometry that is more complex. A continued focus on safety will also be included. Counts as a Directed Elective or Elective for all diplomas. Qualifies as a quantitative reasoning course.
Have you considered a career in aviation maintenance? If you have not considered a career in aviation, you are missing out on an exciting, challenging, fulfilling and lucrative opportunity! Aviation maintenance technicians are among the best when it comes to technical expertise, problem solving skills, mechanical aptitude and desire to be a valued professional.

### Aviation Maintenance

<table>
<thead>
<tr>
<th>NEXT LEVEL PROGRAM OF STUDY PATHWAY</th>
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<th>STATE-RECOGNIZED CERTIFICATIONS AVAILABLE</th>
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<tr>
<td>Year 1:</td>
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<tr>
<td>● Aviation Maintenance I</td>
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Aviation Maintenance I (5520)
TIAA191100 Aviation Maintenance I-1
TIAA191200 Aviation Maintenance I-2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Aerospace Engineering
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Aviation Maintenance is an introductory course that familiarizes the student with Federal Aviation Regulations, weight and balance, ground operation, maintenance forms, non-destructive testing methods, basic tools, and fasteners. The course also covers basic aircraft systems and familiarizes students with inspection, damage evaluation of systems used on aircrafts. Counts as a Directed Elective or Elective for all diplomas. This training emphasizes skills needed to transition into the Airframe & Power Plant program at Ivy Tech Community College. This is a 36-week class with an opportunity to earn 6 High School credits. The class meets at Smith Field from 12:45 to 3:30pm.

### IT Academy

If you are committed to learning and adapting to new technological advancement, and want to be part of a fast growing industry, the IT Academy is for you! You will gain hands on experience and training in our up to date classrooms to excel in the world of Information Technology.

<table>
<thead>
<tr>
<th>NEXT LEVEL PROGRAM OF STUDY PATHWAY</th>
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<tbody>
<tr>
<td>Year 1 (Taken Concurrently):</td>
<td></td>
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</tr>
<tr>
<td>● Principles of Computing</td>
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<td>CompTia A+ Certification</td>
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<tr>
<td>● Information Technology Fundamentals</td>
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<tr>
<td>Year 1:</td>
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<tr>
<td>● 3 courses, 9 credits</td>
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</table>
- Networking Fundamentals

**SOFTWARE DEVELOPMENT**

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<tr>
<th>Year 1 (Taken Concurrently):</th>
<th>Ivy Tech:</th>
<th>To Be Determined</th>
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<tbody>
<tr>
<td>- Principles of Computing</td>
<td>Year 1: 5 courses, 15 credits</td>
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<tr>
<td>- Website &amp; Database Development</td>
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<tr>
<td>- Software Development</td>
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<tr>
<th>Year 2:</th>
<th>No Dual Credit Courses</th>
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<tbody>
<tr>
<td>- Computer Science III: Software Development Capstone</td>
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<tr>
<td>- Computer Science III: Cybersecurity Capstone</td>
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**Principles of Computing (7183)**
BEAP100100 Principles of Computing I
BEAP100200 Principles of Computing II
Recommended Grade: 9, 10, 11
Required Prerequisites: None
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Computers and Informatics introduces students to terminology, concepts, theory and fundamental skills used to implement information systems. Topics include the history and trends of computing, operating systems, database technology, security, cloud implementations and other concepts associated with applying the principles of good information management to the organization. Additionally, students will be introduced to algorithms, logic development and flowcharting as tools used to document computer logic through the use of basic scripting and simple programming code. Students will develop a business application using database software such as Microsoft Access. Counts as a directed elective or elective for all diplomas.

**Information Technology Fundamentals (7180)**
BEAI200100 Information Technology Fundamentals I
BEAI200200 Information Technology Fundamentals II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Computers and Informatics
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

**Networking Fundamentals (7182)**
BEAN300100 Networking Fundamentals I
BEAN300200 Networking Fundamentals II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Computers and Informatics and Information Technology Fundamentals
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Networking Fundamentals describes, explores and demonstrates how a network operates in our everyday lives. The course covers the technical pieces and parts of a network and societal implications such as security and data integrity. Using hands-on lab work, this course offers students the critical information needed for a role as an Information Technology Professionals who support computer networks. Concepts covered include the TCP/IP model, OS administration, designing a network topology, configuring the TCP/IP protocols, managing network devices and clients, configuring routers and switches, wireless technology and troubleshooting. Provides students the ability to implement, administer, and troubleshoot information systems that incorporate the Microsoft Windows clients and servers in an enterprise environment. Students will be introduced to managing applications, files, folders, and devices in a windows active directory environment. Counts as a directed elective or elective for all diplomas.
Website and Database Development (7185)
BEAS200100 Website and Database Development I
BEAS200200 Website and Database Development II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Computers and Informatics
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Website and Database Development will provide students a basic understanding of the essential Web and Database skills and business practices that directly relate to Internet Technologies used in Web site and Database design and development. Students will learn to develop Websites using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Additionally students will be introduced to the basic concepts of databases including types of databases, general database environments, database design, normalization and development of tables, queries, reports, and applications. Students will be familiarized with the use of ANSI Standard Structured Query Language. Students will be introduced to data concepts such as data warehousing, data mining, and BIG Data.

Software Development (7184)
BEAS300100 Software Development I
BEAS300200 Software Development II
Recommended Grade: 10, 11, 12
Required Prerequisites: Principles of Computers and Informatics
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Software Development introduces students to concepts and practices of programming languages and software development. Students are introduced to algorithms and development tools used to document/implement computer logic. Discusses the history of software development, the different types of programming such as real time processing, web/database applications, and different program development environments. Concepts will be applied using different programming languages, and students will develop and test working programs in an integrated system. Counts as a directed elective or elective for all diplomas.

Computer Science III: Software Development, Capstone, IT Cluster, Computer Science Pathway (5249)
BEASD00100 Computer Science III: Software Development 1
BEASD00200 Computer Science III: Software Development 2
Recommended Grade Levels: 12
Recommended Prerequisites: Computer Science II
Required Prerequisites: Computer Science I
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Computer Science III: Software Development focuses on gaining knowledge and acquiring competencies in the processes, techniques and tools used to develop production quality software. The course framework aligns with professional standards and situates software development within the context of a software project, providing focus on requirements development and management, project scheduling, project success metrics, code design, development and review principles, testing procedures, release and revision processes, and project archival. An additional topic provides exposure to career opportunities within the software development field. The final product of this capstone experience is a working software product that adheres to industry standards. Counts as a Directed Elective or Elective for all diplomas. Fulfills a science course requirement for all diplomas. Qualifies as a quantitative reasoning course.

Computer Science III: Cybersecurity, Capstone, IT Cluster, Computer Science Pathway (5253)
BEACC00100 Computer Science III: Cybersecurity 1
BEACC00200 Computer Science III: Cybersecurity 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Computer Science II
Required Prerequisites: Computer Science I
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Computer Science III: Cybersecurity introduces the secure software development process including designing secure applications, writing secure code designed to withstand various 69 Indiana Department of Education High School Course Titles and Descriptions types of attacks, and security testing and auditing. It focuses on the security issues a developer faces, common security vulnerabilities and flaws, and security threats. The course explains security principles, strategies, coding techniques, and tools that can help make software fault tolerant and resistant to attacks. Students will write and analyze code that demonstrates specific security development techniques. Students will also learn about cryptography as an indispensable resource for implementing security in real-world applications. Students will learn foundations of cryptography using simple mathematical probability. Information theory, computational complexity, number theory, and algebraic approaches will be covered. Counts as a Directed
Elective or Elective for all diplomas. Fulfills a science course requirement for all diplomas. Qualifies as a quantitative reasoning course.

**GRAPHIC IMAGING**

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<tr>
<td>Year 1 (Taken Concurrently):</td>
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<tr>
<td>● Principles of Digital Design</td>
<td>Vincennes:</td>
<td>Adobe Certified Associate (must pass 3 exams)</td>
</tr>
<tr>
<td>● Graphic Design &amp; Layout</td>
<td>● 2 courses, 6 credits</td>
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<tr>
<td>● Advanced Graphic Design</td>
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<th>INTERACTIVE MEDIA</th>
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<tr>
<td>● Principles of Digital Design</td>
<td>Vincennes:</td>
<td>Adobe Certified Associate (must pass 3 exams)</td>
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<tr>
<td>● Digital Design Graphics</td>
<td>● 2 course, 6 credits</td>
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<tr>
<td>● Interactive Media Design</td>
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**Principles of Digital Design (7140)**
VAADD00100 Principles of Digital Design I
VAADD00200 Principles of Digital Design II

Recommended Grade Levels: 9, 10, 11
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course introduces students to fundamental design theory and fundamental computer graphics in visual communications. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. This course will include basic computer terminology and use, mastering fundamental skills, and developing efficient working styles. These skills are further developed through work with vector-based, raster-based, and page layout software used in the professional visual communications industry. Counts as a directed elective or elective for all diplomas.

**Graphic Design and Layout (5550)**
TIAGD91100 Graphic Design and Layout I
TIAGD91200 Graphic Design and Layout II

Recommended Grade: 11, 12
Required Prerequisites: NLP- Principles of Digital Design
Recommended Prerequisites: Computer Illustration and Graphics
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Graphic Design and Layout includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials, and instructional manuals. Instruction also covers advertising theory and preparation of copy, lettering, posters, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design commercial products that impart information and ideas. Advanced instruction might also include experiences in various printing processes as well as activities in designing product packaging and commercial displays or exhibits. Counts as a directed elective or elective for all diplomas.

**Advanced Graphic Design (7134)**
TIAAG00100 Advanced Graphic Design
TIAAG00200 Advanced Graphic Design

Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Digital Design and Graphic Design and Layout
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course addresses the issues pertinent to the proper and creative use of type and the enhancement of communication. Covers the history of type, typographic terminology, design, attention to aesthetics, common sense, and how we read. It introduces students to a full range of image input technology and manipulation including conventional photography, digital imaging, and computer scanners.
Students will learn to communicate concepts and ideas through various imaging devices. Projects emphasize an appreciation of the practical use of type, explore composition, and foster creativity. Counts as a directed elective or elective for all diplomas.

**Digital Design Graphics (7141)**  
**VAADDG0100 Digital Design Graphics I**  
**VAADDG0200 Digital Design Graphics II**  
Recommended Grade Levels: 10, 11, 12  
Required Prerequisites: Principles of Digital Design  
Recommended Prerequisites: None  
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course is an introduction to the field of video technology. Students will learn the basics of planning, shooting, editing and post-producing video and sound. Projects include exercises in technical and creative skills application, equipment usage and production techniques. Additionally, this course covers basic photographic theory and technique. Includes image capture, processing, various output methods and physics of light. Study of cameras, lenses, exposure, characteristics of photographic media and output. Counts as a directed elective or elective for all diplomas.

**Interactive Media Design (7138)**  
**VAAIMD0100 Interactive Media Design I**  
**VAAIMD0200 Interactive Media Design II**  
Recommended Grade: 10, 11, 12  
Required Prerequisites: Principles of Digital Design and Digital Design Graphics  
Recommended Prerequisites: None  
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course introduces students to a full range of image input technology and manipulation including conventional photography, digital imaging, and computer scanners. Students will learn to communicate concepts and ideas through various imaging devices. Study explores composition and fosters creativity. Additionally, this course examines the virtual world of 2-D and how it can be applied as an illustration and animation element in multimedia. Students Explore navigation, modeling, rendering, animation, and camera and lighting techniques. Counts as a directed elective or elective for all diplomas.

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### RADIO AND TELEVISION

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<tr>
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<tbody>
<tr>
<td>Year 1 (Taken Concurrently):</td>
<td>Vincennes:</td>
<td>To Be Determined</td>
</tr>
<tr>
<td>● Principles of Radio &amp; TV</td>
<td>● 2 courses, 6 credits</td>
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<tr>
<td>● Audio &amp; Video Production</td>
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<tr>
<td>● Mass Media Performance</td>
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<tr>
<td>Year 2:</td>
<td>No Dual Credit Courses</td>
<td>To Be Determined</td>
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<tr>
<td>● Radio &amp; TV II</td>
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**Principles of Radio and TV (7139)**  
**BEAPR00100 Principles of Radio and TV I**  
**BEAPR00200 Principles of Radio and TV II**  
Recommended Grade Levels: 9, 10, 11  
Required Prerequisites: None  
Recommended Prerequisites: None  
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Radio and TV provides an introduction to the fundamentals of digital production. Students will develop basic skills in digital production techniques for audio, video, studio, and field production. Counts as a directed elective or elective for all diplomas.

**Audio and Video Production (7135)**  
**BEAAV00100 Audio and Video Production I**  
**BEAAV00200 Audio and Video Production II**  
Recommended Grade Levels: 10, 11, 12  
Required Prerequisites: Principles of Radio & TV  
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

**Mass Media Performance (7137)**

**BEAMM00100 Mass Media Performance I**

**BEAMM00200 Mass Media Performance II**

Recommended Grade Levels: 10, 11, 12

Required Prerequisites: Principles of Radio & TV

Recommended Prerequisites: None

Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Students will study the theory and practice in the voice and visual aspects of radio and television performance. In addition, this course introduces the skills used to acquire and deliver news stories in a digital media format. Students will learn how to research issues and events, interview news sources, interact with law enforcement and government officials, along with learning to write in a comprehensive news style. Counts as a directed elective or elective for all diplomas.

**Radio and Television II (5992)**

**BEAR291100 Radio & TV II-1**

**BEAR291200 Radio & TV II-2**

Recommended Grade Levels: 12

Required Prerequisites: Radio and Television I

Credits: 2 semester course, 2 semesters required, 3 credits per semester, 6 credits maximum

Radio and Television II prepares students for admission to television production programs at institutions of higher learning. Students train on professional equipment creating a variety of video projects. Students enrolling in this program should have successfully completed Radio and Television I. During this second-year, program students integrate and build on first-year curriculum while mastering advanced concepts in production, lighting and audio. Counts as a Directed Elective or Elective for all diplomas.

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**EARLY CHILDHOOD EDUCATION**

Utilizing our on-site licensed daycare center and relationships with area preschools, elementary and Head Start programs, students will get hands-on experiences in working with children in preschool settings. Whether you are interested in childcare, education, social work or psychology, this program will be instrumental in starting your career.

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<thead>
<tr>
<th>NEXT LEVEL PROGRAM OF STUDY PATHWAY</th>
<th>DUAL CREDITS AVAILABLE</th>
<th>STATE-RECOGNIZED CERTIFICATIONS AVAILABLE</th>
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<tbody>
<tr>
<td>Year 1 (Taken Concurrently):</td>
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</tr>
<tr>
<td>- Principles of Early Childhood Education</td>
<td>Ivy Tech:</td>
<td>No Year 1 Certification</td>
</tr>
<tr>
<td>- Early Childhood Education Curriculum</td>
<td>- 3 courses, 9 credits</td>
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<tr>
<td>- Early Childhood Education Guidance</td>
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<tr>
<td>Year 2:</td>
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<tr>
<td>- Early Childhood Education II</td>
<td>Ivy Tech:</td>
<td>Child Development Associate (CDA - Year 2 Only)</td>
</tr>
<tr>
<td></td>
<td>- 1 course, 3 credits</td>
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</tbody>
</table>
Principles of Early Childhood Education (7160)
FCAPE00100 Principles of Early Childhood Education I
FCAPE00200 Principles of Early Childhood Education II
Recommended Grade Levels: 9, 10, 11
Required Prerequisites: None
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course provides students with an overview of skills and strategies necessary to complete a certificate successfully. Additionally, it provides an overview of the history, theory, and foundations of early childhood education as well as exposure to types of programs, curricula and services available to young children. This course also examines basic principles of child development, Developmentally Appropriate Practices (DAP), importance of family, licensing, and elements of quality care of young children with an emphasis on the learning environment related to health, safety, and nutrition. Students may be required to complete observations and field experiences with children as related to this course. Principles of Healthcare content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives. Counts as a directed elective or elective for all diplomas.

Early Childhood Education Curriculum (7158)
FCAEC00100 Early Childhood Education Curriculum I
FCAEC00200 Early Childhood Education Curriculum II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Early Childhood
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Early Childhood Education Curriculum examines developmentally appropriate environments and activities in various childcare settings while exploring the varying developmental levels and cultural backgrounds of children. Students may be required to complete observations and field experiences with children as related to this course. Counts as a directed elective or elective for all diplomas.

Early Childhood Education Guidance (7159)
FCAEG00100 Early Childhood Education Guidance I
FCAEG00200 Early Childhood Education Guidance II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Early Childhood
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course allows students to analyze developmentally appropriate guidance, theory and implementation for various early care and education settings. It also provides a basic understanding of the anti-bias/multicultural emphasis in the field of early childhood. Students may be required to complete observations and field experiences with children as related to this course. Counts as a directed elective or elective for all diplomas.

Early Childhood Education II (5406)
FCA200100 Early Childhood Ed II: Internship 1
FCA200200 Early Childhood Ed II: Internship 2
Recommended Grade Levels: 12
Required Prerequisites: Early Childhood Education I
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Careers in Early Education prepares students for employment in early childhood education and related services for children born to third grade and provides the foundations for study in higher education that leads to early childhood education and other child-related careers. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate suggested topics into the study of early childhood education and services. The course of study includes, but is not limited to planning and guiding developmentally appropriate activities for young children; developmentally appropriate practices of guidance and discipline; application of basic health and safety principles when working with children; overview of management and operation of licensed child care facilities or educational settings. Coursework is in preparation to apply for the Child Development Associate (CDA) credential. Students may qualify for dual credit from Ivy Tech. Counts as a Directed Elective or Elective for all diplomas.
Our industry-approved curriculum, along with our relationships with local dealerships and repair shops, will offer you the skills and experience needed to enter the fast growing and increasingly technical automotive industry. Our hands-on lab in our modern and up-to-date facility, will allow you to experience work in the auto industry.

<table>
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<tr>
<th>AUTOMOTIVE SERVICES</th>
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<tbody>
<tr>
<td><strong>NEXT LEVEL PROGRAM OF STUDY PATHWAY</strong></td>
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<tr>
<td>Year 1 (Taken Concurrently):</td>
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<tr>
<td>● Principles of Automotive Services</td>
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<tr>
<td>● Brake Systems</td>
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<tr>
<td>● Steering &amp; Suspensions</td>
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<tr>
<td>Year 2:</td>
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<tr>
<td>● Automotive Services Technology II</td>
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</tbody>
</table>

**Principles of Automotive Services (7213)**
TIAPA00100 Principles of Automotive Services I
TIAPA00200 Principles of Automotive Services II
Recommended Grade Levels: 9, 10, 11
Required Prerequisites: None
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

**Brake Systems (7205)**
TIABS00100 Brake Systems
TIABS00200 Brake Systems
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Automotive Services
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

**Steering & Suspensions (7212)**
TIASS00100 Steering & Suspensions I
TIASS00200 Steering & Suspensions II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Automotive Services; and Brakes and Electrical
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
This course takes an in-depth look at engine performance, including concepts in the diagnosis and repair of ignition, fuel, emission and related computer networks. This course presents engine theory and operation and studies the various engine designs utilized today. This course also takes an in-depth look at engine performance, including advanced concepts in the diagnosis and repair of ignition, fuel, emission and related computer networks. This course presents engine theory and operation and studies the various engine designs utilized today. Hybrid/Alternative fuel technology will also be introduced. Counts as a directed elective or elective for all diplomas.

Automotive Services Technology II (5546)
TIAS191101 Auto Svc. Tech II: Brakes/Suspension/Steering
TIAS291100 Auto Svc. Tech II: Engine Performance
Recommended Grade Levels: 11, 12
Required Prerequisites: Automotive Services Technology I
Credits: 3 diploma credits per semester, max of 2 semesters per year, max of 6 diploma credits per year

Automotive Service Technology II is a one-year course covering two semesters that encompasses the sub topics of the NATEF/ASE identified areas of Brakes / Suspension / Steering and Engine Performance. These two courses are part of an overall rotation of the four courses offered within the entire 2-year Automotive Service Technology Program. This one-year offering also meets the NATEF program for ASE Student Certification for the two primary instruction areas offered, including providing the opportunity for dual credit for students who meet post-secondary education requirements for earning college dual credits when successfully completing the dual credit requirements of this course. Mathematical skills will be reinforced through precision measuring activities and cost estimation/calculation activities. Scientific principles taught and reinforced in this course include the study of viscosity, friction, thermal expansion, compound solutions and electrical concepts. Written and oral skills will also be emphasized to help students communicate with customers, colleagues, and supervisors. Counts as a Directed Elective or Elective for all diplomas. Each program is 18 weeks in length.

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<tr>
<th>NEXT LEVEL PROGRAM OF STUDY PATHWAY</th>
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<tr>
<td>Year 1 (Taken Concurrently):</td>
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<tr>
<td>● Principles of Collision Repair</td>
<td>Ivy Tech:</td>
<td>Automotive Service Excellence (ASE)</td>
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<tr>
<td>● Plastic Body Repair and Painting Fundamentals</td>
<td>Year 1 &amp; 2:</td>
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<tr>
<td>● Automotive Body Repair</td>
<td>• 2 courses, 6 credits</td>
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<td>Year 2:</td>
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<tr>
<td>● Automotive Collision Repair II</td>
<td>Ivy Tech</td>
<td>Automotive Service Excellence (ASE)</td>
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<td>Year 1 &amp; 2:</td>
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<td></td>
<td>• 2 courses, 6 credits</td>
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Principles of Collision Repair (7215)
TIAPR00100 Principles of Collision Repair I
TIAPR00200 Principles of Collision Repair II
Recommended Grade Levels: 9, 10, 11
Required Prerequisites: None
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics. This Course also provides students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive collision industry. Students will study the basics of collision repair in the automotive industry. Counts as a directed elective or elective for all diplomas.

Plastic Body Repair and Painting Fundamentals (7206)
TIAPB00100 Plastic Body Repair and Painting Fundamentals I
TIAPB00200 Plastic Body Repair and Painting Fundamentals II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Automotive Technology
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
This course introduces auto paint considerations with emphasis on the handling of materials and equipment in modern automotive technologies. Provides basic skills and fundamental knowledge in oxy-fuel welding, cutting, brazing and plasma cutting, gas metal arc welding, squeeze type resistance welding, exterior panel welding and I-CAR welding test preparation. This course is designed for auto service and body technicians. Emphasizes safe practices in ox-fuel and specific welding processes in the automotive body repair field. Counts as a directed elective or elective for all diplomas.

**Automotive Body Repair (7204)**
TIAAB00100 Automotive Body Repair I
TIAAB00200 Automotive Body Repair II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Automotive Technology; and Plastic Body Repair and Painting Fundamentals
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course examines the characteristics of body metals and includes the installation of moldings, ornaments, and fasteners with emphasis on sheet metal analysis and safety. Additionally, this course introduces fundamentals of using hand and power tools in the repair of minor collision damage, with emphasis on safety. Counts as a directed elective or elective for all diplomas.

**Automotive Collision Repair II (5544)**
TIAR291100 Auto Collision Repair II 1
TIAR291200 Auto Collision Repair II 2
Recommended Grade Levels: 12
Required Prerequisites: Automotive Collision Repair I
Credits: 3 credits per semester, 2 semesters maximum, and a maximum of 6 credits

Automotive Collision Repair Technology II Introduces concepts in auto paint considerations with emphasis on the handling of materials and equipment in modern automotive technologies. Instruction should build on concepts learned in Automotive Collision Repair Technology I such as computerized frame diagnosis, computerized color mixing, and computerized estimating of repair costs. Additional academic skills taught in this course include precision measurement and mathematical calibrations as well as scientific principles related to adhesive compounds, color mixing, abrasive materials, metallurgy, and composite materials. Counts as a Directed Elective or Elective for all diplomas. This course is aligned with postsecondary courses for Dual Credit.

HEALTH SCIENCES

Health care is one of the fastest growing industries with over 18 million employees needed to staff the healthcare sector. Our programs offer students the opportunity to explore both the area of dental and health care. Students will develop both their academic and professional skills such as infection control and patient care in our lab setting.

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<thead>
<tr>
<th>CENTRAL SERVICES TECH/SURGICAL TECHNICIAN</th>
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<th>STATE-RECOGNIZED CERTIFICATIONS AVAILABLE</th>
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<tbody>
<tr>
<td><strong>NEXT LEVEL PROGRAM OF STUDY PATHWAY</strong></td>
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<tr>
<td>Year 1 (Taken Concurrently):</td>
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<tr>
<td>● Principles of Healthcare</td>
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<tr>
<td>● Medical Terminology</td>
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<tr>
<td>● Central Services Technician Fundamentals</td>
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<tr>
<td><strong>Ivy Tech:</strong></td>
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<tr>
<td>● 2 courses, 6 credits</td>
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<td><strong>To Be Determined</strong></td>
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| MEDICAL ASSISTANT                        |                        |                                          |
| **Year 1 (Taken Concurrently):**         |                        |                                          |
|   ● Principles of Healthcare             |                        |                                          |
| **Ivy Tech:**                            |                        |                                          |
|   ● 2 courses, 6 credits                 |                        |                                          |
| **Certified Clinical Medical Assistant (CCMA)** |                    |                                          |
### Medical Terminology

- **Certified Clinical Medical Assistant: CCMA**

### PRE-NURSING/HEALTHCARE SPECIALISTS: CNA

<table>
<thead>
<tr>
<th>Year 1 (Taken Concurrently):</th>
<th>Ivy Tech:</th>
<th>Certified Nursing Assistant (CNA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Healthcare</td>
<td>3 courses, 9 credits</td>
<td></td>
</tr>
<tr>
<td>Medical Terminology</td>
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<tr>
<td>Healthcare Specialist: CNA</td>
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#### Principles of Healthcare (7168)

**HSAH100100 Principles of Healthcare**

- Recommended Grade Levels: 9, 10, 11
- Required Prerequisites: None
- Recommended Prerequisites: None
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

#### Medical Terminology (5274)

**HSAH200100 Medical Terminology**

- Recommended Grade Levels: 11, 12
- Required Prerequisites: None
- Recommended Prerequisites: None
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, maximum of 2 credits

Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including: appropriate and accurate meaning, spelling, and pronunciation of medical terms, and abbreviations, signs, and symbols. Counts as a directed elective or elective for all diplomas.

#### Central Service Technician Fundamentals (7163)

**HSAH300100 Central Service Technician Fundamentals I**

- Recommended Grade Levels: 10, 11, 12
- Required Prerequisites: Principles of Healthcare
- Recommended Prerequisites: None
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, maximum of 2 credits

This course introduces students to the field of central service and prepares students to identify surgical instruments by category type and use. Students will learn the principles and importance of the flow of material along with the environmental control factors affecting the central service department. The student will differentiate between equipment management systems and compare outsourcing and insourcing. Counts as a directed elective or elective for all diplomas.

#### Certified Clinical Medical Assistant (CCMA) (7164)

**HSAH300100 Certified Clinical Medical Assistant (CCMA) I**

- Required Prerequisites: Principles of Healthcare, Medical Terminology
- Recommended Prerequisites: None
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

The Certified Clinical Medical Assistant course will prepare students for the National Healthcare Association CCMA exam. Instruction includes taking and recording vital signs, preparing patients for examination, patient education, and assisting the...
physician during the exam. The collection and preparation of laboratory specimens and basic laboratory tests will be covered.
Prepares for the administration of medication, venipuncture, ECG, and wound care. Provides basic understanding of the clinical and administrative duties and responsibilities pertaining to medical offices. Includes instruction in medical correspondence and records, case histories of patients, filing, telephone procedures, appointment scheduling, receptionist duties, and processing mail. Written, verbal and nonverbal communication according to patient needs are covered as well as documentation and associated legal and ethical boundaries. Counts as a directed elective or elective for all diplomas.

Healthcare Specialist: CNA (7166)
HSAH400100 Healthcare Specialist: CAN I
HSAH400200 Healthcare Specialist: CAN II
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Healthcare
Required Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

DENTAL CAREERS

<table>
<thead>
<tr>
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<th>DUAL CREDITS AVAILABLE</th>
<th>STATE-RECOGNIZED CERTIFICATIONS AVAILABLE</th>
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<tbody>
<tr>
<td>Year 1:</td>
<td></td>
<td></td>
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<tr>
<td>● Dental Careers I</td>
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Dental Careers I (5203)
HSAD191100 Dental Careers I-1
HSAD191200 Dental Careers I-2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Nutrition and Wellness
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Dental Careers I prepares the student for an understanding of the different types of dental careers with an emphasis on entry-level dental assisting. Skills emphasis is placed on the clinical environment, chair-side assisting, equipment and instrument identification and care, tray set-ups, and sterilization. Microbiology, Infection Control, Hazardous Waste, and OSHA in the workplace are discussed. Patient Care, Communication, Employability Skills, Oral, Head and Neck Anatomy, Tooth Morphology, Embryology, Histology, charting dental surfaces, and medical histories are all introduced. Simulated in-school laboratories and/or extended laboratory experiences are also included to provide opportunities for students to develop further clinical skills and the appropriate ethical behavior. Leadership skills are developed and community service provided through HOSA. Students have the opportunity to compete in a number of competitive events at both the state and national level. Counts as a Directed Elective or Elective for all diplomas.

COSMETOLOGY

Just imagine walking out of high school with your Indiana State Board of Cosmetology License! You can start enjoying this creative and flexible career as a cosmetologist or barber with successful completion of this 2-year program. Beginning immediately after 10th grade, students will spend 20 days that summer to begin accumulating the 1500 hours required before taking the exam for their license upon graduation.
COSMETOLOGY

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<thead>
<tr>
<th>NEXT LEVEL PROGRAM OF STUDY PATHWAY</th>
<th>DUAL CREDITS AVAILABLE</th>
<th>STATE-RECOGNIZED CERTIFICATIONS AVAILABLE</th>
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</thead>
<tbody>
<tr>
<td>Year 1:</td>
<td>2 courses, 14 credits</td>
<td>No Year 1 Certification</td>
</tr>
<tr>
<td>● Cosmetology I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 2:</td>
<td>2 courses, 16 credits</td>
<td>Indiana State Board of Cosmetology &amp; Barber Examiners - 1500 Cosmetology (Year 2 Only)</td>
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<tr>
<td>● Cosmetology II</td>
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Cosmetology I (5802)
TIAC191100 Cosmetology I-1
TIAC191200 Cosmetology I-2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Interpersonal Relationships
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Cosmetology I offers an introduction to cosmetology with emphasis on basic practical skills and theories including roller control, quick styling, shampooing, hair coloring, permanent waving, facials, manicuring business and personal ethics, and bacteriology and sanitation. In the second semester, greater emphasis is placed on the application and development of these skills. The State of Indiana requires a total of 1500 hours of instruction for licensure. Counts as a Directed Elective or Elective for all diplomas.

Cosmetology II (5806)
TIAC291100 Cosmetology II-1
TIAC291200 Cosmetology II-2
Recommended Grade Levels: 12
Required Prerequisites: Cosmetology I
Credits: 3 credits per semester, maximum of 2 semesters, maximum of 6 credits

Cosmetology II emphasis will cover the development of advanced skills in styling, hair coloring, permanent waving, facials and manicuring. Students will also study anatomy and physiology, professionalism, and salon management in relation to cosmetology. Counts as a Directed Elective or Elective for all diplomas.
Senior students at the Career Academy have the opportunity to gain real world experience via work-based learning.

SPECIAL PROGRAMS

Work Based Learning Capstone (5974)
WBABE0B100 WBL Capstone Co-op: Graphic Design 1
WBABE0B200 WBL Capstone Co-op: Graphic Design 2
WBABE0B101 WBL Capstone Co-op: IT 1
WBABE0B201 WBL Capstone Co-op: IT 2
WBABE0B102 WBL Capstone Co-op: Auto Svc Tech 1
WBABE0B202 WBL Capstone Co-op: Auto Svc Tech 2
WBABE0B103 WBL Capstone Co-op: Auto Collision 1
WBABE0B203 WBL Capstone Co-op: Auto Collision 2
WBABE0B104 WBL Capstone Co-op: Building Trades 1
WBABE0B204 WBL Capstone Co-op: Building Trades 2
WBABE0B105 WBL Capstone Co-op: Welding 1
WBABE0B205 WBL Capstone Co-op: Welding 2
WBABE0B106 WBL Capstone Co-op: Culinary Arts 1
WBABE0B206 WBL Capstone Co-op: Culinary Arts 2
Work-based Learning Capstone is a stand-alone course that prepares students for college and career. Work-Based Learning means sustained interactions with industry or community professionals in real workplace settings, to the extent practicable, or simulated environments at an educational institution that foster in-depth, first hand engagement with the tasks required of a given career field, that are aligned to curriculum and instruction. Work-based Learning Capstone experiences occur in workplaces and involve an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement and training plan is developed by the student, teacher, and workplace mentor/supervisor to guide the student’s work-based experiences and assist in evaluating achievement and performance. Related Instruction shall be organized and planned around the activities associated with the student’s individual job and career objectives in a pathway; and shall be taught during the same semester the student is participating in the work-based experience. For a student to become employable, the related instruction should cover: (a) employability skills, and (b) specific occupational competencies. A minimum of 85 hours of workplace and classroom activities are required for one credit; 170 hours are required for the two credits. Of the 85 or 170 hours, 18 to 36 hours (at least 1 hour a week or the equivalent over a semester or year) must be spent in related classroom instruction. Counts as a Directed Elective or Elective for all diplomas.

Cooperative Education (6162)
WBACEOB100 Cooperative Education 1
WBACEOB200 Cooperative Education 2
Recommended Grade Levels: 12
Recommended Prerequisites: a minimum of 4 credits in a logical sequence of courses related to the student's pathway and the worksite placement
Credits: 2 semester course, 2 semesters required, 3 credits per semester, 6 credits maximum

Cooperative Education (COOP EDU) is an approach to employment training that spans all career and technical education program areas through school-based instruction and on the job training. Time allocations are a minimum of fifteen hours per week of on-the-job training and approximately five hours per week of school-based instruction, focused on employability skills development. Additionally, all state and federal laws and regulations related to student employment and cooperative education must be followed. The following two components must be included as part of the Cooperative Education course.

Related Instruction, that is classroom based, shall be organized and planned around the activities associated with the student’s individual job and career objectives in a career cluster area/pathway; and shall be taught during the same semesters as the student is receiving on the job training. For a student to become occupationally competent and therefore employable, the related instruction should cover in varying proportions: (a) general occupational competencies, (b) specific occupational competencies, and (c) specific job competencies.

On-the-Job Training is the actual work experience in an occupation in any one of the Indiana College and Career Pathways that relates directly to the student’s career objectives. On-the-job, the student shall have the opportunity to apply the concepts, skills, and attitudes learned during Related Instruction, as well as the skills and knowledge that have been learned in other courses. The student shall be placed on-the-job under the direct supervision of experienced employees who serve as on-the-job trainers/supervisors in accordance with predetermined training plans and agreements and who assist in evaluating the student’s job performance. Students in an ICE placement must be paid in accordance with federal and state student employment and cooperative education laws.
Special Education Programs

Community/Work Skills and Transition to Work are Special Education programs offered by FWCS and located at the Career Academy at Anthis. Students who meet program criteria may enroll in these programs through the Special Education Department. All students must have a Special Education Registration form from Anthis, a current IEP and the Blue Special Needs Information Sheet.

**Community Work Skills Program (A3507A & A3507B)**

This community-based program is designed for special needs students in their junior and senior years of high school or as indicated in the IEP. Students should be able to work competitively in the community and be capable of living semi-independently/independently. Students must have these basic skills. This program focuses on work skill development along with skills necessary for independent living and use of community resources. A major emphasis is placed on students developing personal management skills, appropriate work attitudes and the necessary work habits to be successful on the job. Students will receive job training with various community employers. Students will be assisted and supervised by job coaches/teaching assistants. Students also develop housekeeping, transportation, leisure and relationship building skills by accessing community resources.

**Young Adult Transition Program (A3508)**

This program is for students ages 18-22 with moderate and severe disabilities. The class is a full-day program focusing on daily living skills, work skills, recreation and leisure, and community access.
Technical Education Registration Form
1st and 2nd Year Students Applying for Different Program of Study

This registration form is to be used for those students who have not taken a Career Academy course prior, as well as 2nd year students who have taken a course but are applying for a course in a different program of Study.

If you did not complete and pass the first year course, you are not considered a 2nd year student.

2nd year applicants only: Answer question A or B
A. If currently taking an Analytics course as you are applying, Course Name: ____________________________
   Are you passing? __ Yes  __ No  Current Grade: ______
B. If Analytics course has already been completed, passed and grade issued:
   Course Name: ____________________________  Grade received: ______

School Year_______  STN (Student's State Testing Number) _____  (Required for Enrollment)

INFORMATION BELOW IS TO BE COMPLETED BY PARENTS AND STUDENTS

Name: Last  ___________________  First  ___________________  M.I.  ________
Address: ______________________  City: ___________________  State: _______  Zip Code: _______
Gender: (Circle One):  Male  Female  ___________________
Date of Birth: ______/_____/______

Mother/Guardian  ___________________  Cell Phone (_____) ____________
Can student be released to this Individual: Initial: Yes  ______  No  ______

Father/Guardian  ___________________  Cell Phone (_____) ____________
Can student be released to this Individual: Initial: Yes  ______  No  ______

Emergency Contact  ___________________  Cell Phone (_____) ____________
Can student be released to this Individual: Initial: Yes  ______  No  ______

Please Check the School You Currently Attend

0101-North Side  0219-Northrop  0102-Snider  0105-South Side
0177-Wayne  0081-Heritage  0047-Homestead  0049-Leo
9087-Norwell  0297-New Haven  0285-Woodlan  0091-Carroll
A120-B. Dwenger  A125-B. Luers  A195-Concordia  9187-Columbia City
A170-Blackhawk Christian  Home-School  Other  ______

Please Check the District/School Cooperation in Which You Currently Reside

FWCS  EACS  NACS  SACS  SACS  WCCS

Other-Name  __________________________________________________

INFORMATION BELOW MUST BE COMPLETED BY HOME SCHOOL COUNSELOR

Grade Level When Entering Program of Choice:  _______  _______  _______

Current Credits Accumulated _______  Current GPA _______  # Truancies (most recent school year) _______

# Tardies (most recent school year) _______  # Unexcused Absences (most recent school year) _______

Overall Att. Rate (most recent school year) _______

Counselors should provide all data for at least one recent assessment below. Choose the assessment that best represents the student's ability to be successful in their program of choice. Fill in all blanks applicable for the assessment chosen. You may provide data for more than one assessment but one is required.

PSAT Math (23) _______  PSAT (EBRW) (22) _______  Scaled Score (420) _______

State Assessment Test - Math (271) _______  State Assessment Test - English (244) _______  SAT (Avg.1050) _______

Accuplacer (100) _______  ACT (Avg.20) _______

Counselor Signature  ____________________________________________  (Required)

74
# 1st Year Students Course Selections

Place an "X" in the AM/PM Column of your choices. Select 3. Place 1, 2 or 3 in the preferred column based on desire.

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<td>49</td>
<td>Must be employed Min. 15hrs/wk</td>
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Approved □ Not Approved □ Wait List (Program ________________________)

75
Technical Education Registration Form
2nd Year Students - Applying for Same Program of Study

*This registration form is used ONLY for those students who are applying to be accepted in the second year of the same program of study they participated in the previous school year.

If you did not complete and pass the first year course, you are not considered a 2nd year student.

Answer only one question A or B

A. If currently taking an Antthis course as you are applying, Course Name: __________________________________________
   Are you passing? ___ Yes ___ No Current Grade __________________________

B. If Antthis course has already been completed, passed and grade issued:
   Course Name: __________________________________________ Grade received: __________________________

School Year _______ STN (Student's State Testing Number) __________________ (Required for Enrollment)

INFORMATION BELOW TO BE COMPLETED BY PARENTS AND STUDENTS

Name __________________________________________ First __________________________________ M.I. ________

Address __________________________________________ City __________ State _____ Zip Code ______

Gender: (Circle One): Male Female Date of Birth / / __________

Mother/Guardian ________________________________ Cell Phone (____) ______________
Can student be released to this Individual: Initial: Yes ______ No________

Father/Guardian ________________________________ Cell Phone (____) ______________
Can student be released to this Individual: Initial: Yes ______ No________

Emergency Contact ________________________________ Cell Phone (____) ______________
Can student be released to this Individual: Initial: Yes ______ No________

Please Check the School You Currently Attend

0101-North Side 0219-Northrop 0102-Snider 0105-South Side
0177-Wayne 0081-Heritage 0047-Homestead 0049-Leo
9087-Norwell 0297-New Haven 0285-Woodlan 0091-Carroll
A120-B. Dwenger A125-B. Luers A195-Concordia 9187-Columbia City
A170-Blackhawk Christian Home-School Other________________________

Please Check the District in Which Your Current School is Located

FWCS EACS NACS SACs WCCS Other-Name

Counselor Signature ____________________________________________ (Required)

Instructor Signature ____________________________________________ (Required for enrollment)

Note: Instructor signature will automatically place student in the designated course. However, lack of instructor signature will NOT solely eliminate a student’s eligibility for placement in a 2nd year same POS course. As a result, 2nd year same POS applications can be submitted without instructor signature, but must have counselor signature.

_____ Approved _____ Wait #1 _____ Wait #2 _____ Wait #3 _____ Not Approved
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<td>AM</td>
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<td>Prefer</td>
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<td>Constr. Trades - Homebuilding 2</td>
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<td>Comp. Sci. 3 - Software Development</td>
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<td>Comp. Sci. 3 - Cybersecurity Capstone</td>
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FWCS Career Academy

1200 S. Barr Street, Ft. Wayne, IN, 46802

Principal Jesse Webb
www.fortwayneschools/careeracademy
P: 260-467-1010

@FWCSCareerAcademy   @FWCareerAcademy   @FWCareerAcademy
Accounting Fundamentals (4524)
BEHA100100 Accounting Fundamentals 1
BEHA100200 Accounting Fundamentals 2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

Advanced Accounting (4522)
BEHAA00100 Advanced Accounting 1
BEHAA00200 Advanced Accounting 2
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Accounting Fundamentals
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Advanced Accounting expands on the Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting covered in Introduction to Accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making. Counts as a Directed Elective or Elective for all diplomas. Qualifies as a quantitative reasoning course.

Audio & Video Production (7135)
BEHAV00100 Audio and Video Production 1
BEHAV00200 Audio and Video Production 2
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Radio & TV
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

Business Law and Ethics (4560)
BEHL100100 Business Law & Ethics 1
BEHL100200 Business Law & Ethics 2
BEHL100300 Business Law & Ethics
Recommended Grade Levels: 11, 12
Recommended Prerequisites: None
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

Business Law and Ethics provides an overview of the legal system in the business setting. Topics covered include basics of the judicial system, contract, personal, employment and property law. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods and situation analyses. Counts as a Directed Elective or Elective for all diplomas.

Business Math (4512)
BEHM100100 Business Math 1
BEHM100200 Business Math 2
Recommended Grade Levels: 10, 11
Required Prerequisites: Algebra I
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum
Business Math is a 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. Counts as an Elective or Directed Elective for all diplomas. Fulfills a Mathematics requirement for the General Diploma or Certificate of Completion only. Qualifies as a quantitative reasoning course.

**Computer Illustration and Graphics (4516)**

BEHG100100 Comp Illustrations & Graphics 1
BEHG100200 Comp Illustrations & Graphics 2

Recommended Grade Levels: 11, 12
Recommended Prerequisites: Digital Applications and Responsibility

Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Computer Illustration and Graphics introduces students to the computer's use in visual communication. The focus of the course is on basic computer terminology and use, mastering fundamental skills, and developing efficient working styles. These skills are then developed by creating work with imaging, drawing, interactive, and page layout software. The course includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials, and instructional manuals. This course also covers advertising theory and preparation of copy, lettering, posters, produce vector illustrations, graphics and logos, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design products that impart information and ideas. Advanced instruction might also include experiences in silk screening and airbrush techniques as well as activities in designing product packaging and commercial displays or exhibits. Counts as a Directed Elective or Elective for all diplomas.

**Computer Science I (4801)**

BEHCS00100 Computer Science I-1
BEHCS00200 Computer Science I-2
BENCS00100 Computer Science I-1
BENCS00200 Computer Science I-2

Recommended Grade Levels: 10, 11, 12
Required Prerequisite: none

Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Computer Science I introduces the structured techniques necessary for the 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 flowcharting, 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.

**Computer Science II (5236)**

BEHCS00100 Computer Science II-1
BEHCS00200 Computer Science II-2
BENCS00101 Computer Science II-1
BENCS00201 Computer Science II-2

Recommended Grade Levels: 11, 12
Required Prerequisite: Computer Science I

Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Computer Science II explores and builds skills in programming and a basic understanding of the fundamentals of procedural program development using structured, modular concepts. Coursework emphasizes logical program design involving user-defined functions and standard structure elements. Discussions will include the role of data types, variables, structures, addressable memory locations, arrays and pointers, and data file access methods. An emphasis on logical program design using a modular approach, which involves task-oriented program functions. Counts as a Directed Elective or Elective for all diplomas. Qualifies as a quantitative reasoning course.
Cybersecurity (5253)
BEHC490100 Cybersecurity 1 PLTW
BEHC490200 Cybersecurity 2 PLTW
BENCS90100 Cybersecurity 1 PLTW
BENCS90200 Cybersecurity 2 PLTW

Required Prerequisites: Computer Science I
Recommended Prerequisites: Computer Science II
Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Computer Science III: Cybersecurity introduces the secure software development process including designing secure applications, writing secure code designed to withstand various 69 Indiana Department of Education High School Course Titles and Descriptions types of attacks, and security testing and auditing. It focuses on the security issues a developer faces, common security vulnerabilities and flaws, and security threats. The course explains security principles, strategies, coding techniques, and tools that can help make software fault tolerant and resistant to attacks. Students will write and analyze code that demonstrates specific security development techniques. Students will also learn about cryptography as an indispensable resource for implementing security in real-world applications. Students will learn foundations of cryptography using simple mathematical probability. Information theory, computational complexity, number theory, and algebraic approaches will be covered.

Digital Applications and Responsibility (4528)
BEHT100300 Digital Applications & Responsibility
BEHT100100 Digital Applications & Responsibility 1
BEHT100200 Digital Applications & Responsibility 2
BENT100300 Digital Application & Responsibility

Recommended Grade Levels: Any
Credits: 1-2 semesters, 1 credit per semester, 2 credits maximum

Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision making and problem-solving skills. Students should be provided with the opportunity to seek industry-recognized digital literacy certifications. Counts as a Directed Elective or Elective for all diplomas.

Entrepreneurship and New Ventures Capstone (5966)
BEHE100100 Entrepreneur & New Ventures 1
BEHE100200 Entrepreneur & New Ventures 2

Recommended Grade Levels: 12
Required Prerequisites: a minimum of 4 credits of introductory or advanced career and technical education courses from the Business and Marketing cluster: Introduction to Business, Introduction to Entrepreneurship, Principles of Business Management, Marketing Fundamentals
Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Entrepreneurship and New Ventures Capstone introduces entrepreneurship, and developing skills and tools critical for starting and succeeding in a new venture. The entrepreneurial process of opportunity recognition, innovation, value proposition, competitive advantage, venture concept, feasibility analysis, and “go to” market strategies will be explored through mini case studies of successful and unsuccessful entrepreneurial start-ups. Additionally, topics of government and legal restrictions, intellectual property, franchising location, basic business accounting, raising startup funding, sales and revenue forecasting and business plan development will be presented through extensive use of word processing, spreadsheet and presentation software.

Interactive Media (5232)
BEHIM10100 Interactive Media 1
BEHIM10200 Interactive Media 2

Recommended Grade Levels: 11, 12
Recommended Prerequisites: Introduction to Communication, Digital Applications and Responsibility
Credits: 2 semesters required, 1-3 credits per semester, 6 credits maximum

Interactive Media prepares students for careers in business and industry working with interactive media products and services which includes the entertainment industries. This course emphasizes the development of digitally-generated or computer-enhanced products using multimedia technologies. Students will develop an understanding of professional business practices including the importance of ethics, communication skills, and knowledge of the “virtual workplace.” Counts as a directed elective or elective for all diplomas.
Introduction to Business (4518)
BEHB100300 Introduction to Business
BEHB100100 Introduction to Business 1
BEHB100200 Introduction to Business 2
Recommended Grade Levels: 9, 10
Recommended Prerequisites: None
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

Introduction to Business introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and/or international scale. The course covers business management, entrepreneurship, marketing fundamentals, and business ethics and law. The course develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments. Counts as a Directed Elective or Elective for all diplomas.

Introduction to Communications (4790)
TEHC100100 Introduction to Communications 1
TEHC100200 Introduction to Communications 2
Recommended Grade Levels: 9, 10
Recommended Prerequisites: None
Credit: 1 or 2 semester course, 1 credit per semester, 2 credits maximum

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

Introduction to Entrepreneurship (5967)
BEHIE10300 Introduction to Entrepreneurship
BEHIE10100 Introduction to Entrepreneurship 1
BEHIE10200 Introduction to Entrepreneurship 2
Recommended Grades: 9, 10
Required Prerequisites: None
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

Introduction to Entrepreneurship provides an overview of what it means to be an entrepreneur. Students will learn about starting and operating a business, marketing products and services, and how to find resources to help in the development of a new venture. This course is ideal for students interested in starting their own art gallery, salon, restaurant, etc. This counts as a Directed Elective or Elective for all diplomas.

Marketing Fundamentals (5914)
BEHPM00100 Marketing Fundamentals 1
BEHPM00200 Marketing Fundamentals 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Marketing Fundamentals provides a basic introduction to the scope and importance of marketing in the global economy. Emphasis is placed on oral and written communications, mathematical applications, problem solving, and critical thinking skills as they relate to advertising/promotion/selling, distribution, financing, marketing-information management, pricing, and product/service management. Counts as a Directed Elective or Elective for all diplomas. Formerly called Principles of Marketing.
Personal Financial Responsibility (4540)
BEHP100300 Personal Financial Responsibility
BENP100300 Personal Financial Responsibility
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: None
Credits: 1 credit per semester, 1 credit maximum

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

Preparing for College and Careers (5394)
BEHPC00300 Preparing for College & Careers
Recommended Grade Levels: 9
Recommended Prerequisites: None
Credits: 1-2 semester course, 1 credit per semester, 2 credit maximum; only 1 credit may count toward CTE Concentrator Status for Perkins IV Pathways (Class of 2022 only)

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today’s choices on tomorrow’s possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals, examining multiple life roles and responsibilities as individuals and family members, planning and building employability skills, transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project-based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real world experiences, is recommended. Qualifies as one of the FACS courses a student can take to waive the Health & Wellness graduation requirement. To qualify for a waiver, a student must take three of the approved courses. For more information, please see 511 IAC 6-7.1-4(c) (6). Counts as a directed elective or elective for all diplomas.

Principles of Business Management (4562)
BEHBM00100 Principles of Business Management 1
BEHBM00200 Principles of Business Management 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Introduction to Business
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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. Counts as a Directed Elective or Elective for all diplomas.

Principles of Entrepreneurship (7154)
BEHPE00100 Principles of Entrepreneurship 1
BEHPE00200 Principles of Entrepreneurship 2
Recommended Grade Levels: 9, 10, 11
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Entrepreneurship focuses on the characteristics of a successful entrepreneur and the creation of a business concept. The course helps students explore the answers to questions about what is on the entrepreneur journey before the idea is launched in the world. Is your idea worth pursuing? What are the risks in starting a business? 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. This course counts as a directed elective or elective for all diplomas.
Principles of Radio and TV (7139)
BEHPR00100 Principles of Radio & TV 1
BEHPR00200 Principles of Radio & TV 2
Recommended Grade Levels: 9, 10, 11
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Radio & TV provides an introduction to the fundamentals of digital production. Students will develop basic skills in digital production techniques for audio, video, studio, and field production. This course counts as a directed elective or elective for all diplomas.

Sports and Entertainment Marketing (5984)
BEHS100300 Sports & Entertainment Marketing
BEHS100100 Sports & Entertainment Marketing 1
BEHS100200 Sports & Entertainment Marketing 2
Recommended Grade Levels: 11, 12
Required Prerequisites: Marketing Fundamentals
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

Sports and Entertainment Marketing is a specialized marketing course that develops student understanding of the sport/event industries, their economic impact, and products; distribution systems and strategies; pricing considerations; product/service management, and promotion. Students acquire an understanding and appreciation for planning. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Participation in cooperative education is an optional instructional method, giving students the opportunity to apply newly acquired marketing skills in the workplace. Counts as a Directed Elective or Elective for all diplomas.

Strategic Marketing (5918)
BEHSM00100 Strategic Marketing 1
BEHSM00200 Strategic Marketing 2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Principles of Business Management or Marketing Fundamentals
Credits: 2 semester course, 2 semesters required, 1-2 credits per semester, 4 credits maximum

Strategic Marketing builds upon the foundations of marketing and applies the functions of marketing at an advanced level. Students will study the basic principles of consumer behavior and examine the application of theories from psychology, social psychology, and economics. The relationship between consumer behavior and marketing activities will be reviewed. This course counts as a directed elective or elective for all diplomas.

Web Design (4574)
BEHW100100 Web Design 1
BEHW100200 Web Design 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Digital Applications and Responsibility and Introduction to Communication
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

Web Design is a course that provides instruction in the principles of web design using HTML/XHTML and current/emerging software programs. 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 and community projects. Counts as a Directed Elective or Elective for all diplomas.

FAMILY AND CONSUMER SCIENCES

Adult Roles and Responsibilities (5330)
FCHAR00300 Adult Roles & Responsibilities
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: None
Credits: 1 semester course, 1 credit per semester, 1 credit maximum
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 strongly recommended. This course provides the foundation for continuing and post-secondary education in all career areas related to individual and family life. Qualifies as one of the FACS courses a student can take to waive the Health & Wellness graduation requirement, in place of either Human Development and Wellness or Interpersonal Relationships. To qualify for the Health and Wellness waiver, a student must take three of the approved courses. For more information, see 511 IAC 6-7.1- 4(c)(6). Counts as a directed elective or elective for all diplomas.

Advanced Child Development (5360)
FCHC300300 Advanced Child Development
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Child Development
Credits: 1 or 2 semester course, 1 credit per semester, 2 credits maximum

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

Advanced Nutrition and Wellness (5340)
FCHN200300 Advanced Nutrition & Wellness
FCHN200100 Advanced Nutrition & Wellness 1
FCHN200200 Advanced Nutrition & Wellness 2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Nutrition and Wellness Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

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 career areas related to nutrition, food, and wellness. Counts as a directed elective or elective for all diplomas.

Child Development (5362)
FCHC100300 Child Development
FCHC100100 Child Development 1
FCHC100200 Child Development 2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: None
Credits: 1 credit per semester, maximum of 2 semesters, 2 credits maximum
Child Development is an introductory course for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers that draw on knowledge of children, child development, and nurturing of children. This course addresses issues of child development from conception/prenatal through age 3. It includes the study of prenatal development and birth; growth and development of children; child caregiving and nurturing; and support systems for parents and caregivers. A project-based approach that utilizes higher order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of child development. Direct, concrete mathematics and language arts proficiencies will be applied. Authentic applications such as introductory laboratory/field experiences with young children and/or service learning that build knowledge of children, child development, and nurturing of children are strongly recommended. This course provides the foundation for continuing and post-secondary education in all career areas related to children, child development, and nurturing of children. Qualifies as one of the F&CS courses a student can take to waive the Health & Wellness graduation requirement. To qualify for a waiver, a student must take three of the approved courses. For more information, please see 511 IAC 6-7.1-4(c)(6). Counts as a directed elective or elective for all diplomas.

**Fashion & Textiles Careers I (5420)**

**FCHF200100 Fashion & Textiles Careers I-1**

**FCHF200200 Fashion & Textiles Careers I-2**

Recommended Grade: 11, 12

Recommended Prerequisites: Preparing for College and Careers; Introduction to Fashion and Textiles Foundations, Entrepreneurship and Marketing courses

Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Fashion and Textiles Careers I prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the fashion industry. This course builds a foundation that prepares students to enter the Fashion Careers II course. Major topics include review of the dimensions of clothing, investigation of design elements and principles, evaluating manufacturing process, reviewing the processes from fiber production to items of clothing being worn, overall review of the textile and apparel industry, investigation of education and related careers. The course of study includes, but is not limited to the teaching profession, the learner and the learning process, planning instruction, learning environment, and instructional and assessment strategies. Extensive field experiences in one or more classroom settings, resumes, and career portfolios are required components. A standards-based plan guides the students’ field experiences. Students are monitored in their field experiences by the Education Professions II teacher. Articulation with post-secondary programs is encouraged. Counts as a directed elective or elective for all diplomas.

**Fashion & Textiles Careers II (5421)**

**FCHF300100 Fashion & Textiles Careers II-1**

**FCHF300200 Fashion & Textiles Careers II-2**

Recommended Grade: 12

Recommended Prerequisites: Preparing for College and Careers; Fashion and Textile Careers I, Entrepreneurship and Marketing courses

Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Fashion and Textiles Careers II prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the fashion industry. This course builds a foundation that prepares students to enter into higher education programs of study related to the entire spectrum of the career clusters that encompass careers in fashion, apparel, and other textiles management, production, and services. Major topics include: fashion design, application of design elements and principles, the business of fashion designers, evaluating manufacturing processes, reviewing distribution processes in the fashion industry, garment costs and business math, reviewing the processes from fiber production to items of clothing being worn, overall review of the textile and apparel industry, fashion promotion, dynamics of fashion demand, writing fashion copy, investigation of fashion designers, customer relations and best practices, fashion merchandising, operational costs, forecasting trends, use of technology in the fashion industry, and career exploration and experience. A project-based approach with commercial/industry applications is a key component of this course of study. Student experiences may be either school-based or “on-the-job” or a combination of the two. Work based experiences in the fashion industry are strongly encouraged. A standards-based plan guides the students’ experiences. This course is a core component of four-year career plans for the career clusters of Personal & Commercial Services; Manufacturing & Processing; and Art, A/V Technology & Communications. It is recommended for students with interests in apparel, textiles, and fashion career pathways and provides the foundation for continuing study. Students are monitored in their experiences by the Fashion Careers II teacher. Articulation with post-secondary programs is encouraged. Counts as a directed elective or elective for all diplomas.

**Nutrition (7171)**

**FCHFT00100 Nutrition 1**

**FCHFT00200 Nutrition 2**

Recommended Grade Levels: 10, 11, 12

Required Prerequisites: Principles of Hospitality

Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
Nutrition students will learn the fundamentals of food preparation, service procedures, and safety practices in the food service industry including proper operation techniques for equipment. This course also provides a background and history of the hospitality industry and introduces the student to the broad spectrum of hospitality/food service organizations and career opportunities. Students will be familiarized with the organizational structure and basic functions of departments. Additionally, this course introduces the characteristics, functions and food sources of the major nutrient groups and how to maximize nutrient retention in food preparation and storage. Students will be made aware of nutrient needs throughout the life cycle and to apply those principles to menu planning and food preparation. Counts as a directed elective or elective for all diplomas.

**Housing and Interior Design Careers I (5352)**

**FCHH200100 Housing and Interior Design Careers I-1**  
**FCHH200200 Housing and Interior Design Careers I-2**

Recommended Grade: 11, 12  
Recommended Prerequisites: Preparing for College and Careers, Introduction to Housing and Interior Design
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Credits: 1 semester course, 1 credit per semester, 1 credit maximum

Housing and Interior Design Careers I prepares students for occupations and higher education programs of study related to the entire spectrum of career clusters that encompass careers related to housing, interiors, and furnishings. Topics include: commercial applications of principles of design to creating aesthetic and functional residential and commercial environments; human, non-human, community, family, and financial resources for housing; housing and interiors materials and products; client-centered designing, drafting, blue printing, and space planning; rendering, elevations, and sketching; historical, technological, and environmental impacts on housing and interiors; zoning, building codes, regulations, and accessibility guidelines, and their impact on housing related outcomes. Ethical, legal, and safety issues as well as helping processes and collaborative ways of working with others are to be addressed. Intensive laboratory experiences with commercial applications are a required component of this course of study. Work based experiences in the housing, interiors, and/or furnishings industries are strongly encouraged. Counts as a directed elective or elective for all diplomas.

**Housing and Interior Design Careers II (5460)**

**FCHH300100 Housing and Interior Design Careers II-1**  
**FCHH300200 Housing and Interior Design Careers II-2**

Recommended Grade: 12  
Recommended Prerequisites: Housing and Interior Design Careers I  
Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Housing and Interior Design Careers II prepares students for occupations and higher education programs of study related to the entire spectrum of career clusters that encompass careers related to housing, interiors, and furnishings. Topics include: commercial applications of principles of design to creating aesthetic and functional residential and commercial environments, human, non-human, community, family, and financial resources for housing; housing and interiors materials and products, client-centered designing, drafting, blue printing, and space planning; rendering, elevations, and sketching; historical, technological, and environmental impacts on housing and interiors; zoning, building codes, regulations, and accessibility guidelines, and their impact on housing related outcomes. Ethical, legal, and safety issues as well as helping processes and collaborative ways of working with others are to be addressed. Intensive laboratory experiences with commercial applications are a required component of this course of study. Work based experiences in the housing, interiors, and/or furnishings industries are strongly encouraged. Counts as a directed elective or elective for all diplomas.

**Interpersonal Relationships (5364)**

**FCHH100300 Interpersonal Relationships**

Recommended Grade Levels: 10, 11  
Recommended Prerequisites: None  
Credits: 1 semester course, 1 credit per semester, 1 credit maximum

Interpersonal Relationships is an introductory course that is especially relevant for students interested in careers that involve interacting with people. It is also valuable for all students as a life foundation and academic enrichment. This course addresses knowledge and skills needed for positive and productive relationships in career, community, and family settings. Major course topics include communication skills; leadership, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of interpersonal relationships. Direct, concrete language arts proficiencies will be applied. Service learning and other authentic applications are strongly recommended. This course provides a foundation for continuing and post-secondary education for all career areas that involve interacting with people both inside and outside of a business/organization, including team members, clients, patients, customers, and the general public. Counts as a directed elective or elective for all diplomas. Qualifies as one of the FACS courses a student can take to waive the Health & Wellness graduation requirement. To qualify for the Health and Wellness waiver, a student must take three of the approved courses. For more information, see 511 IAC 6-7.14(c)(6).
Introduction to Fashion & Textiles (5380)
FCHF100300 Intro to Fashion & Textiles
FCHF100100 Intro to Fashion & Textiles 1
FCHF100200 Intro to Fashion & Textiles 2
Recommended Grade Levels: 9, 10, 11, 12
Recommended Prerequisites: None
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

Introduction to Fashion and Textiles is an introductory course for those students interested in academic enrichment or a career in the fashion, textile, and apparel industry. This course addresses knowledge and skills related to design, production, acquisition, and distribution in the fashion, textile, and apparel arena. The course includes the study of personal, academic, and career success; careers in the fashion, textile, and apparel industry; factors influencing the merchandising and selection of fashion, textile, and apparel goods and their properties, design, and production; and consumer skills. A project-based approach integrates instruction and laboratory experiences including application of the elements and principles of design, aesthetics, criticism, history and production; selection, production, alteration, repair, and maintenance of apparel and textile products; product research, development, and testing; and application of technical tools and equipment utilized in the industry. Direct, concrete mathematics proficiencies will be applied. Service learning and other authentic applications are strongly recommended. This course provides the foundation for continuing and post-secondary education in fashion, textile, and apparel-related careers. Counts as a directed elective or elective for all diplomas. Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma.

Interior Design Fundamentals (7127)
FCHID00100 Interior Design Fundamentals 1
FCHID00200 Interior Design Fundamentals 2
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Interior Design
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course provides students with an overview of the field of environmental design. Exercises include small-scale space analysis and functional planning based on user needs, application of the principles of design, furniture arrangement and selection, materials and finishes considerations and presentation techniques. Content also provides an intensive study of textiles from fiber sources, identification and classification to finish and sustainable qualities. Also introduces the study of interior textile fabrications including window treatments, upholstery, carpet and wall coverings. Counts as a directed elective or elective for all diplomas.

Introduction to Housing and Interior Design (5350)
FCHH100300 Introduction to Housing & Interior Design
Recommended Grade Levels: 9, 10, 11, 12
Recommended Prerequisites: None
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

Introduction to Housing and Interior Design 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 involve 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 including aesthetics, criticism, history and production, are 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. Counts as a directed elective or elective for all diplomas. Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma.

Nutrition and Wellness (5342)
FCHN100300 Nutrition and Wellness
Recommended Grade Levels: 9, 10
Recommended Prerequisites: None
Credits: 1 credit per semester, 1 credit maximum

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. Counts as a directed elective or elective for all diplomas.Qualifies as one of the FACS courses a student can take to waive the Health & Wellness graduation requirement. To qualify for the Health and Wellness waiver, a student must take three of the approved courses. For more information, see 511 IAC 6-7.1-4(c)(6).

**Principles of Culinary & Hospitality (7173)**
FCHPH00100 Principles of Culinary & Hospitality 1
FCHPH00200 Principles of Culinary & Hospitality 2
Recommended Grade Levels: 9, 10, 11
Required Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Principles of Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the food service and lodging industry. Introduces procedures for decision making which affects operation management, products, labor, and revenue. Additionally, this course will help students learn basic principles of sanitation and safety in order to maintain a safe and healthy food service environment. It presents laws and regulations related to safety, fire, and sanitation and how to adhere to them in the food service operation. Counts as a directed elective or elective for all diplomas.

**Principles of Human Services (7176)**
FCHHS00100 Principles of Human Services 1
FCHHS00200 Principles of Human Services 2
Recommended Grade Levels: 9, 10, 11
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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. Course includes a required job shadowing project in a Human Services setting. 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. Counts as a directed elective or elective for all diplomas.

**Principles of Interior Design (7132)**
FCHPI00100 Principles of Interior Design 1
FCHPI00200 Principles of Interior Design 2
Recommended Grade Levels: 9, 10, 11
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course provides students with an overview of skills and strategies necessary to reach their educational, career, and life objectives. Topics include time management, study skills, learning styles, campus and community resources, critical thinking, utilization of technology, career skills, and diversity in society. Content also introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. The course provides an understanding of conventional and green building practices, building structures, residential construction techniques, building materials and plan reading. Includes building codes, sustainable design practices, and the preparation of site and construction plans, elevations, sections, three-dimensional drawings details and hand renderings as they relate to construction and presentation drawings. Counts as a directed elective or elective for all diplomas.

**Principles of Teaching (7161)**
FCHPT00100 Principles of Teaching 1
FCHPT00200 Principles of Teaching 2
Recommended Grade Levels: 9, 10, 11
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
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 volunteer experience of a minimum of 20 hours is required for successful 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. Counts as a directed elective or elective for all diplomas.

Relationships and Emotions (7177)
FCHR200100 Relationships and Emotions 1
FCHR200200 Relationships and Emotions 2
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: Principles of Human Services
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Relationship & Emotions examines the key elements of healthy relationships. Explores the main problems that damage relationships. Presents research findings on successful and unsuccessful relationships. Examines how couples can improve intimacy, romance, and emotional connection. 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. Counts as a directed elective or elective for all diplomas.

FINE ARTS

Advanced Chorus (L) (4188)
MUHC300100 Advanced Chorus I-1
MUHC300200 Advanced Chorus I-2
MUHC300101 Advanced Chorus II-1
MUHC300201 Advanced Chorus II-2
MUHC300102 Advanced Chorus III-1
MUHC300202 Advanced Chorus III-2
MUHC300103 Advanced Chorus IV-1
MUHC300203 Advanced Chorus IV-2
MUHC300104 Advanced Chorus: Show 1
MUHC300204 Advanced Chorus: Show 2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Beginning and Intermediate Chorus
Credits: 1 semester course, 1 credit per semester

Advanced Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Advanced 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 music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Advanced Concert Band (L) (4170)
MUHB300100 Advanced Concert Band I-1
MUHB300200 Advanced Concert Band I-2
MUHB300101 Advanced Concert Band II-1
MUHB300201 Advanced Concert Band II-2
MUHB300102 Advanced Concert Band III-1
MUHB300202 Advanced Concert Band III-2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Beginning and intermediate Concert Band
Credits: 1 semester course, 1 credit per semester

Advanced Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. This course provides students with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone
production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Experiences include improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer’s intent in performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Advanced Orchestra (L) (4174)
MUHO300100 Advanced Orchestra I-1
MUHO300200 Advanced Orchestra I-2
MUHO300101 Advanced Orchestra I-1
MUHO300201 Advanced Orchestra I-2
MUHO300102 Advanced Orchestra III-1
MUHO300202 Advanced Orchestra III-2
MUHO300103 Advanced Orchestra IV-1
MUHO300203 Advanced Orchestra IV-2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Beginning and Intermediate Orchestra
Credits: 1 semester course, 1 credit per semester

Advanced Orchestra is based on the Indiana Academic Standards for High School Instrumental Music. Students in this ensemble are provided with a balanced comprehensive study of music through the orchestra, string and/or full orchestra, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop and refine elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of orchestral literature, and integration of other applicable disciplines. Experiences include improvising, conducting, playing by ear, and sight-reading. Fulfills Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Advanced Theatre Arts (L) (4240)
THHA200300 Advanced Theatre Arts I-1
THHA200301 Advanced Theatre Arts I-2
THHT200302 Advanced Theatre Arts II-1
THHT200303 Advanced Theatre Arts II-2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Theatre Arts I and II
Credits: 1 semester course, 1 credit per semester

Advanced Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Advanced Theatre Arts read and analyze plays and apply criteria to make informed judgments. They draw on events and experiences to create scripted monologues and scenes, create scenic designs for existing plays, and build characters through observation, improvisation and script analysis. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore careers in theatre arts and begin to develop a portfolio of their work. They also attend and critique theatre productions and identify ways to support the theatre in their community. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Advanced Three Dimensional Art (L) (4006)
VAHA200300 Advanced Three-Dimensional Art
Recommended Grade Levels: Any
Recommended Prerequisites: Introduction to Two-Dimensional Art, Introduction to Three-Dimensional Art
Credits: 1 semester course, 1 credit per semester

Advanced Three-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to Three-Dimensional Art that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create three-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
Advanced Two-Dimensional Art (L) (4004)
VAHT200300 Advanced Two-Dimensional Art I
VAHT200100 Advanced Two-Dimensional Art I-1
VAHT200200 Advanced Two-Dimensional Art I-2
VAHT200101 Advanced Two-Dimensional Art II-1
VAHT200201 Advanced Two-Dimensional Art II-2
VAHT200102 Advanced Two-Dimensional Art III-1
VAHT200202 Advanced Two-Dimensional Art III-2
Recommended Grade Levels: Any
Recommended Prerequisites: Introduction to Two-Dimensional Art
Credits: 1 semester course, 1 credit per semester

Advanced Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to Two-Dimensional Art that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art. They identify ways to utilize and support art museums, galleries, studios, and community resources. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Applied Music (L) (4200)
MUHAM00101 Applied Music: Percussion 1
MUHAM00201 Applied Music: Percussion 2
MUHJ100100 Applied Music Jazz I-1
MUHJ100200 Applied Music Jazz I-2
MUHJ200100 Applied Music Jazz II-1
MUHJ200200 Applied Music Jazz II-2
Recommended Grade Levels: 10, 11, 12
Credits: 1 semester course, 1 credit per semester

Applied Music is based on the Indiana Academic Standards for High School Choral or Instrumental Music. Applied Music offers high school students the opportunity to receive small group or private instruction designed to develop and refine performance skills. A variety of music methods and repertoire is utilized to refine students' abilities in performing, creating, and responding to music. Fulfills Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Beginning Chorus (L) (4182)
MUHC100100 Beginning Chorus I-1
MUHC100200 Beginning Chorus I-2
Recommended Grade Levels: 10, 11, 12
Credits: 1 semester course, 1 credit per semester

Beginning Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking beginning Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Beginning Concert Band (L) (4160)
MUHB100100 Beginning Concert Band I-1
MUHB100200 Beginning Concert Band I-2
Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester

Beginning Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course are provided with a balanced comprehensive study of music through the concert band, which develops skills in the
psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature. Experiences include improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Beginning Orchestra (L) (4166)**
**MUHO100100 Beginning Orchestra I-1**
**MUHO100200 Beginning Orchestra I-2**
Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester

Beginning Orchestra is based on the Indiana Academic Standards for High School Instrumental Music. Students in this ensemble are provided with a balanced comprehensive study of music through the orchestra, string and/or full orchestra, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop and refine elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of orchestral literature, and integration of other applicable disciplines. Experiences include improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day 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. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Ceramics (L) (4040)**
**VAHE100300 Ceramics I**
**VAHE100100 Ceramics I-1**
**VAHE100200 Ceramics I-2**
**VAHE200100 Ceramics II-1**
**VAHE200200 Ceramics II-2**
**VAHE300100 Ceramics III-1**
**VAHE300200 Ceramics III-2**
**VAHE400100 Ceramics IV-1**
**VAHE400200 Ceramics IV-2**
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Introduction to Two-Dimensional Art. Introduction to Three-Dimensional Art
Credits: 1 semester course, 1 credit per semester

Ceramics is a course based on the Indiana Academic Standards for Visual Art. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Choral Chamber Ensemble (L) (4180)**
**MUHCE00100 Choral Chamber Ensemble 1**
**MUHCE00200 Choral Chamber Ensemble 2**
Recommended Grade Levels: 10, 11, 12
Credits: 1 semester course, 1 credit per semester

Choral Chamber Ensemble is based on the Indiana Academic Standards for High School Choral Music. Student musicianship and specific performance skills in this course are enhanced through specialized small group instruction. The activities expand the repertoire of a specific genre. Chamber ensemble classes provide instruction in creating, performing, listening to, and analyzing music in addition to focusing on specific subject matter. 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 music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Dance Choreography: Ballet, Modern, Jazz, or Ethnic-Folk (L) (4142)
DAHC100100 Dance Choreography I-1
DAHC100200 Dance Choreography I-2
DAHC200100 Dance Choreography II-1
DAHC200200 Dance Choreography II-2
Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester

Dance Choreography is based on the Indiana Academic Standards for Dance. Learning activities in choreography are sequential and systematic and allow students to express themselves. 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. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Dance Performance: Ballet, Modern, Jazz, or Ethnic-Folk (L) (4146)
DAHP100100 Dance Performance I-1
DAHP100200 Dance Performance I-2
DAHP200100 Dance Performance II-1
DAHP200200 Dance Performance II-2
DAHP300100 Dance Performance III-1
DAHP300200 Dance Performance III-2
DAHP400100 Dance Performance IV-1
DAHP400200 Dance Performance IV-2
DAHP500100 Dance Performance V-1
DAHP500200 Dance Performance V-2
Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester

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. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Drawing (L) (4060)
VAHR100300 Drawing I
VAHR100100 Drawing I-1
VAHR100200 Drawing I-2
VAHR200100 Drawing II-1
VAHR200200 Drawing II-2
VAHR300100 Drawing III-1
VAHR300200 Drawing III-2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Introduction to Two-Dimensional Art
Credits: 1 semester course, 1 credit per semester

Drawing is a course based on the Indiana Academic Standards for Visual Art. Students in drawing engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works.
Students create drawings utilizing processes such as sketching, rendering, contour, gesture, and perspective drawing and use a variety of media such as pencil, chalk, pastels, charcoal, and pen and ink. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Digital Design (L) (4082)**
FAND100100 Digital Design 1
FAND200200 Digital Design 2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Introduction to two-Dimensional Art
Credits: 1 semester course, 1 credit per semester

Digital Design is a course based on the Indiana Academic Standards for Visual Art. Students in digital design engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. They incorporate desktop publishing, multi-media, digitized imagery, computer animation, and web design. Students reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; 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. Fulfills a fine arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Electronic Music (L) (4202)**
MUHEM00100 Electronic Music 1
MUNEM00200 Electronic Music 2
Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester

Electronic Music is based on the Indiana Academic Standards for High School Music Technology. Students taking this course are provided with a wide variety of activities and experiences to develop skills in using electronic media and current technology to perform, create, and respond to music. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Graphic Design and Layout (5550)**
THHGD000100 Graphic Design and Layout
THHGD000200 Graphic Design and Layout
Recommended Grade: 11, 12
Required Prerequisites: NLPS- Principles of Digital Design
Recommended Prerequisites: Computer Illustration and Graphics
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Graphic Design and Layout includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials, and instructional manuals. Instruction also covers advertising theory and preparation of copy, lettering, posters, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design commercial products that impart information and ideas. Advanced instruction might also include experiences in various printing processes as well as activities in designing product packaging and commercial displays or exhibits. Counts as a directed elective or elective for all diplomas

**Intermediate Chorus (L) (4186)**
MUHC200100 Intermediate Chorus I-1
MUHC200200 Intermediate Chorus I-2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Beginning Chorus
Credits: 1 semester course, 1 credit per semester

Intermediate Chorus is based on the Indiana Academic Standards for High School Choral Music. 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 music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Intermediate Concert Band (L) (4168)**
MUHB200100 Intermediate Concert Band I-1
MUHB200200 Intermediate Concert Band I-2

Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Beginning Concert Band.
Credits: 1 semester course, 1 credit per semester

Intermediate Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Students study a varied repertoire of developmentally appropriate concert band literature and 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 music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Intermediate Orchestra (L) (4172)**
MUHO200100 Intermediate Orchestra I-1
MUHO200200 Intermediate Orchestra I-2
MUHO200101 Intermediate Orchestra II-1
MUHO200201 Intermediate Orchestra II-2

Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Beginning Orchestra
Credits: 1 semester course, 1 credit per semester

Intermediate Orchestra is based on the Indiana Academic Standards for High School Instrumental Music. Students in this ensemble are provided with a balanced comprehensive study of music through the orchestra, string and/or full orchestra, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop and refine elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of orchestral literature, and integration of other applicable disciplines. 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 music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Introduction to Two Dimensional Art (L) (4000)**
VAHT100300 Intro to Two-Dimensional Art

Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester.

Introduction to Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students taking this course engage in sequential learning experiences that encompass art history, art criticism, aesthetics, production, and integrated studies and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas.
Introduction to Three Dimensional Art (L) (4002)
VAHA100300 Introduction to Three-Dimensional Art
Recommended Grade Levels: Any
Recommended Prerequisites: Introduction to Two-Dimensional Art
Credits: 1 semester course, 1 credit per semester

Introduction to Three-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students taking this course engage in sequential learning experiences that encompass art history, art criticism, aesthetics, production, and integrated studies and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create three-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas.

Jazz Ensemble (L) (4164)
MUHZ100100 Jazz Ensemble 1
MUHZ100200 Jazz Ensemble 2
Recommended Grade Levels: 10, 11, 12
Credits: 1 semester course, 1 credit per semester

Jazz Ensemble is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course develop musicianship and specific performance skills through group and individual settings for the study and performance of varied styles of instrumental jazz. Instruction includes the study of the history, formative, and stylistic elements of jazz. Students develop their creative skills through improvisation, composition, arranging, performing, listening, and analyzing. A limited amount of time outside of the school day may be scheduled for rehearsals and performances. In addition, a limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students must participate in performance opportunities outside of the school day that support and extend the learning in the classroom. Student participants must also be receiving instruction in another band or orchestra class offering at the discretion of the director. Fulfills requirement for 1 of 2 Fine Arts credits for the Core 40 with Academic Honors Diploma if students are enrolled in another band or orchestra course. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Jewelry (L) (4042)
VAHJ100100 Jewelry I-1
VAHJ100200 Jewelry I-2
VAHJ200100 Jewelry I-2
VAHJ200200 Jewelry I-2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Introduction to Two-Dimensional Art and Introduction to Three-Dimensional Art
Credits: 1 semester course, 1 credit per semester

Jewelry is a course based on the Indiana Academic Standards for Visual Art. Students in Jewelry engage in sequential learning experiences that encompass art history, art criticism, aesthetics, production and lead to the creation of portfolio quality works. Students create works of jewelry design and fabrication techniques including, sawing, piercing, filing, and soldering. 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. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Music History and Appreciation (4206)
MUHHA00100 Music History & Appreciation
MUHHA00200 Music History & Appreciation
MUHHA00300 Music History & Appreciation
Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester

Music History and Appreciation is based on the Indiana Academic Standards for Music and standards for this specific course. Students receive instruction designed to explore music and major musical styles and periods through understanding music in relation to both Western and Non-Western history and culture. Activities include analyzing and describing music; evaluating music and music performances; and understanding relationships between music and the other arts, as well as disciplines outside of the arts.
Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Musical Theatre (0518)
THHMT00300 Musical Theatre
Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester

Musical Theatre is based on the Indiana Academic Standards for Theatre. Students in this course study the history of musical theatre and its place in today’s society. They participate in staging, choreographing, rehearsing, and performing an original or existing musical work. This class may be taught collaboratively among music, theatre, dance, and visual arts faculty. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Music Theory and Composition (L) (4208)
MUHTC00300 Music Theory & Composition I
MUHTC00100 Music Theory & Composition I-1
MUHTC00200 Music Theory & Composition I-2
Recommended Grade Levels: 9, 10, 11, 12
Credits: 1 semester course, 1 credit per semester

Music Theory and Composition is based on the Indiana Academic Standards for Music and standards for this specific course. Students develop skills in the analysis of music and theoretical concepts. Students develop ear training and dictation skills, compose works that illustrate mastered concepts, understand harmonic structures and analysis, understand modes and scales, study a wide variety of musical styles, study traditional and nontraditional music notation, and sound sources as tools for musical composition, and receive detailed instruction in other basic elements of music. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Painting (L) (4064)
VAHP100300 Painting I
VAHP100100 Painting I-1
VAHP100200 Painting I-2
VAHP200100 Painting II-1
VAHP200200 Painting II-2
VAHP300100 Painting III-1
VAHP300200 Painting III-2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Introduction to Two-Dimensional Art
Credits: 1 semester course, 1 credit per semester

Painting is a course based on the Indiana Academic Standards for Visual Art. Students taking painting engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creation of portfolio quality works. Students create abstract and realistic paintings, using a variety of materials such as mixed media, watercolor, oil, and acrylics as well as techniques such as stippling, gouache, wash, and impasto. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art related careers. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas.

Photography (L) (4062)
VAHH100300 Photography I
VAHH100100 Photography I-1
VAHH100200 Photography I-2
VAHH200100 Photography II-1
VAHH200200 Photography II-2
VAHH300100 Photography III-1
VAHH300200 Photography III-2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Introduction to Two-Dimensional Art  
Credits: 1 semester course, 1 credit per semester

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 dark room 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. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Piano and Electronic Keyboard (L) (4204)**  
MUHPK00300 Piano & Electronic Keyboard  
Recommended Grade Levels: Any  
Credits: 1 semester course, 1 credit per semester

Piano and Electronic Keyboard is based on the Indiana Academic Standards for High School Music Technology and Instrumental Music. Students taking this course are offered keyboard classes in order to develop music proficiency and musicianship. Students perform with proper posture, hand position, fingering, rhythm, and articulation; compose and improvise melodic and harmonic material; create and perform simple accompaniments; listen to, analyze, sight-read, and study a variety of keyboard literature; study the elements of music as exemplified in a variety of styles and make interpretive decisions. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

**Principles of Digital Design (7140)**  
VAHPV00100 Principles of Digital Design  
VAHPV00200 Principles of Digital Design  
Recommended Grade: 9, 10, 11  
Required Prerequisites: None  
Recommended Prerequisites: None  
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course introduces students to fundamental design theory and fundamental computer graphics in visual communications. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. This course will include basic computer terminology and use, mastering fundamental skills, and developing efficient working styles. These skills are further developed through work with vector-based, raster-based, and page layout software used in the professional visual communications industry. Counts as a directed elective or elective for all diplomas.

**Sculpture (L) (4044)**  
VAHS100300 Sculpture I  
VAHS200100 Sculpture II-1  
VAHS200200 Sculpture II-2  
Recommended Grade Levels: 10, 11, 12  
Recommended Prerequisites: Introduction to Two-Dimensional Art, Introduction to Three-Dimensional Art  
Credits: 1 semester course, 1 credit per semester

Sculpture is a course based on the Indiana Academic Standards for Visual Art. Students in sculpture engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production. Using materials such as plaster, clay, metal, paper, wax, and plastic, students create portfolio quality works. Students at this level produce works for their portfolios that demonstrate a sincere desire to explore a variety of ideas and problems. They create realistic and abstract sculptures utilizing subtractive and additive processes of carving, modeling, construction, and assembling. 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. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
Technical Theatre (L) (4244)
THHE100300 Technical Theatre I
THHE100100 Technical Theatre I-1
THHE100200 Technical Theatre I-2
Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester

Technical Theatre is based on the Indiana Academic Standards for Theatre. Students enrolled in Technical Theatre actively engage in the process of designing, building, managing, and implementing the technical aspects of a production. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Theatre Arts (L) (4242)
THHT100300 Theatre Arts 1
THHT100301 Theatre Arts 2
Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester

Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Arts read and analyze plays, create scripts and theatre pieces, conceive scenic designs, and develop acting skills. These activities incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Theatre Production (L) (4248)
THHP100100 Theatre Production 1
THHP100200 Theatre Production 2
Recommended Grade Levels: Any
Credits: 1 semester course, 1 credit per semester

Theatre Production is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Production take on responsibilities associated with rehearsing and presenting a fully mounted theatre production. They read and analyze plays to prepare for production; conceive and realize a design for a production, including set, lighting, sound and costumes; rehearse and perform roles in a production; and direct or serve as assistant director for a production. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students investigate a theatre arts career then develop a plan for potential employment or further education through audition, interview, or presentation of a portfolio. Students also attend and critique theatrical productions and volunteer to support theatre in their community. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Vocal Jazz (L) (4184)
MUHVJ00100 Vocal Jazz 1
MUHVJ00200 Vocal Jazz 2
Recommended Grade Levels: 10, 11, 12
Credits: 1 semester course, 1 credit per semester

Vocal Jazz is based on the Indiana Academic Standards for High School Choral Music. Students in this course develop musicianship and specific performance skills through group and individual settings for the study and performance of varied styles of vocal jazz. Instruction includes the study of the history and formative and stylistic elements of jazz. Students develop their creative skills through improvisation, composition, arranging, performing, listening, and analyzing. 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. Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
HEALTH AND WELLNESS

Health and Wellness Education (3506)
HENH100300 Health & Wellness
HEHH100300 Health & Wellness: Education
HEHH107300 Health & Wellness: Credit Recovery
HEHH140300 Health & Wellness: SE
Recommended Grade Levels: 10
Recommended Prerequisites: 8th grade health education
Credits: 1 semester course, 1 credit per semester, 1 credit maximum

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

LANGUAGE ARTS

Creative Writing (1092)
LAHC100300 Creative Writing
LANC100301 Creative Writing
Recommended Grades: 11, 12
Recommended Prerequisites: English 9, English 10, or teacher recommendation
Credits: 1 semester course, 1 credit per semester

Creative Writing, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical (effective) 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. Fulfills an English/Language Arts requirement for all diplomas.

Critical Thinking and Argumentation (1074)
LANCA00300 Critical Thinking & Argumentation
Recommended Grade Levels: 11, 12
Recommended Prerequisites: English 9, English 10, or teacher recommendation
Credits: 1 semester course, 1 credit per semester

Critical Thinking and Argumentation, a course based on Indiana’s Academic Standards for English/Language Arts, is the study of deductive and inductive logic, including logical fallacies and should challenge students to think critically, analytically, and philosophically. Students learn to formulate thoughtful inquiry questions, connect ideas or concepts, challenge ideas and concepts, and rephrase ideas when appropriate. Active class participation is essential, including persistence questioning, rational discussion, and reasoned argumentation. Students make comments that reflect the development of logic (a line of reasoning), represent a clear point of view, and involve evidence of support (data, examples, anecdotes, documents, information from a variety of sources). Students use the same standard English conventions for oral speech that they use in their writing. Fulfills an English/Language Arts requirement for all diplomas.

Developmental Reading (1120)
LAHR100100 Dev Reading I: (Lexile 500-800) 1
LAHR100200 Dev Reading I: (Lexile 500-800) 2
LAHR140100 Dev Reading I: (SE Lexile 500-800) 1
LAHR140200 Dev Reading I: (SE Lexile 500-800) 2
LAHR200100 Dev Reading II: (Lexile 801-1100) 1
LAHR200200 Dev Reading II: (Lexile 801-1100) 2
Recommended Grade Levels: Any
Recommended Prerequisites: None
Credits: 1 semester course, 1 credit per semester, 8 credits maximum
Developmental Reading is a supplemental course that provides students with individualized instruction designed to support success in completing coursework aligned with the Indiana Academic Standards for English/Language Arts focusing on the Reading Standards for Literature and Nonfiction. All students should be concurrently enrolled in an English course in which class work will address all of the Indiana Academic Standards. Counts as an elective for all diplomas. This course allows for successive semesters of instruction for students who need additional support in vocabulary development and reading comprehension.

English 9 (1002)
LAHE100100 English 9: Academic 1
LAHE100200 English 9: Academic 2
LAHE107100 English 9:1 Credit Recovery
LAHE107200 English 9:2 Credit Recovery
LAHE140100 English 9-1
LAHE140200 English 9-2
LAHE160100 English 9: Honors 1
LAHE160200 English 9: Honors 2
LANE100100 English 9-1
LANE100200 English 9-2
LANE160100 English 9: Honors 1
LANE160200 English 9: Honors 2
Recommended Grade Levels: 9
Recommended Prerequisites: None
Credits: 2 semester course, 1 credit per semester

English 9, an integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and oral communication, focusing on literature within an appropriate level of complexity for this grade band. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and sustained research assignments. Students deliver grade appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information. Fulfills an English/Language Arts requirement for all diplomas.

English 10 (1004)
LAHE200100 English 10: Academic 1
LAHE200200 English 10: Academic 2
LAHE207100 English 10: Credit Recovery 1
LAHE207200 English 10: Credit Recovery 2
LAHE240100 English 10: SE 1
LAHE240200 English 10: SE 2
LAHE260100 English 10: Honors 1
LAHE260200 English 10: Honors 2
LANE200100 English 10-1
LANE200200 English 10-2
Recommended Grade Levels: 10, 11
Recommended Prerequisites: English 9 or teacher recommendation
Credits: 2 semester course, 1 credit per semester

English 10, an integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and oral communication, focusing on literature within an appropriate level of complexity for this grade band. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write responses to literature, expository (informative) and argumentative/persuasive compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information. Fulfills an English/Language Arts requirement for all diplomas.
English 11, an integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 11-12, is a study of language, literature, composition, and oral communication focusing on literature with an appropriate level of complexity for this grade band. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate in classic and contemporary literature balanced with nonfiction. Students write narratives, responses to literature, academic essays (e.g. analytical, persuasive, expository, summary), and more sustained research assignments incorporating visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade appropriate multimedia presentations and access, analyze, and evaluate online information. Fulfills an English/Language Arts requirement for all diplomas.

English 12 (1008)
LAHE400100 English 12 Academic 1
LAHE400200 English 12 Academic 2
LAHE407100 English 12 Credit Recovery 1
LAHE407200 English 12 Credit Recovery 2
LAHE440100 English 12 SE 1
LAHE440200 English 12 SE 2
LAHE460100 English 12 Honors 1
LAHE460200 English 12 Honors 2
LANE400100 English 12-1
LANE400200 English 12-2
Recommended Grade Levels: 12
Recommended Prerequisites: English 9, English 10, and English 11 or teacher recommendation
Credits: 2 semester course, 1 credit per semester

English 12, an integrated English course based on the Indiana Academic Standards for English/Language Arts for Grades 11-12, is a study of language, literature, composition, and oral communication focusing on an exploration of point of view or perspective 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 in classic and contemporary literature balanced with nonfiction. Students write narratives, responses to literature, academic essays (e.g. analytical, persuasive, expository, summary), and more sustained research assignments incorporating visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information. Fulfills an English/Language Arts requirement for all diplomas.

Ethnic Literature (1032)
LAHL100302 Ethnic Literature
LAHL100305 Ethnic Literature: Hispanic
LANL100302 Ethnic Literature
Recommended Grade Levels: 11, 12
Recommended Prerequisites: English 9, English 10, or teacher recommendation
Credits: 1 semester course, 1 credit per semester

Ethnic Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of literature focusing on specific multicultural issues produced by writers representing various ethnic cultures. Students examine works exploring ethnic experiences and ideas as well as the contributions of authors to multicultural themes. Students analyze the expressions of cultural identities within ethnic literature and how problems or issues of interest to a given group relate or interconnect with national issues and history. Fulfills an English/Language Arts requirement for all diplomas. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within the curriculum.

Film Literature (1034)
LAHFL03300 Film Literature
LANFL00300 Film Literature
Recommended Grade Levels: 11, 12
Recommended Prerequisites: English 9, English 10, or teacher recommendation
Credits: 1 semester course, 1 credit per semester

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 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. Fulfills an English/Language Arts requirement for all diplomas. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within the curriculum.

Genres of Literature (1036)
LAHL100307 Genres of Literature
Recommended Grade Levels: 11, 12
Recommended Prerequisites: English 9, English 10, or teacher recommendation
Credits: 1 semester course, 1 credit per semester

Genres of Literature, a course based on the Indiana Academic Standards for English/Language Arts is a study of various literary genres, such as poetry, dramas, novels, short stories, biographies, journals, diaries, essays, and others. Students examine a set or sets of literary works written in different genres that address similar topics or themes. Students analyze how each genre shapes literary understanding or experiences differently, how different genres enable or constrain the expression of ideas, how certain genres have had stronger impact on the culture than others in different historical time periods, and what the most influential genres are in contemporary times. Fulfills an English/Language Arts requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas, Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within the curriculum.

Journalism (1080)
LAHJ100300 Journalism I
LAHJ100100 Journalism I-1
LAHJ100200 Journalism I-2
LANJ100100 Journalism 1
LANJ100200 Journalism 2
Recommended Grade Levels: Any
Recommended Prerequisites: None
Credits: 1 or 2 semester course, 1 credit per semester

Journalism, a course based on the Indiana Academic Standards for English/Language Arts and the Indiana High School Journalism Standards, is a study of news elements, journalism history, First Amendment law, ethics, fact and opinion, copy editing, news, and features as they apply to print and digital media products. It includes a comparison study of journalistic writing to other types of English writing with practical application of news, features, editorials, reviews, columns, and digital media writing forms. For the second credit: Students continue to develop journalistic writing skills in addition to studying graphic design, advertising, public relations, photojournalism and emerging media development and design. By the end of the semester, students write, shoot, and design stories for print and digital media products. Counts as an elective for all diplomas. English/Language Arts credit (1080): If Journalism coursework addresses the Indiana Academic Standards for English/Language Arts, the credits accrued can be counted as part of the eight (8) required English/Language Arts credits for all diplomas. Second credit may be subtitled Advanced to allow for a successive semester of instruction at an advanced level.

Language Art Lab (1010)
LAHEL00100 Lang. Arts Lab 1
LAHEL00200 Lang. Arts Lab 2
LAHL140100 Lang. Arts Lab: SE Lexile (200-700) 1
LAHL140200 Lang. Arts Lab: SE Lexile (200-700) 2
LAHL210100 Lang. Arts 10: Tier 1 Core Sup Language Lab
LAHL210200 Lang. Arts 10: Tier 1 Core Sup Language Lab
LAHL210300 Lang. Arts 10: Tier 1 Core Sup Language Lab
LAND100300 Debate
LANM100101 Mass Media 1
LANM100201 Mass Media 2
Recommended Grade Levels: Any
Recommended Prerequisites: None
Credits: 2 or 4 semester course, 1 credit per semester

Language Arts Lab is a supplemental course that provides students with individualized or small group instruction designed to support success in completing course work aligned with the Indiana Academic Standards for English/Language Arts focusing on the writing standards. All students should be concurrently enrolled in an English course in which class work will address all of the Indiana Academic Standards. This course allows for successive semesters of instruction for students who need additional support in any or all aspects of the writing standards. Counts as an Elective for all diplomas.
Library Media (1082)
LAHM100300 Library Media
Recommended Grade Levels: Any
Recommended Prerequisites: None
Credits: 1 semester course, 1 credit per semester

Library Media is the study and application of procedures based on library science theory. Students examine the role of the library and technology in the current Information Age. Students use electronic resources for specific research needs and use multimedia presentation technology for practical applications. This is a one-credit, one semester course. Counts as an elective for all diplomas.

Digital Media (1084)
LAHM100301 Digital Media
LAHM100101 Digital Media 1
LAHM100201 Digital Media 2
Recommended Grade Levels: Any
Recommended Prerequisites: None
Credits: 1 or 2 semester course, 1 credit per semester

Digital Media, a course based on the Indiana Academic Standards for English/Language Arts and Media Literacy Standards, is a study of media literacy and production skills. This course examines the impact of informational, narrative, and persuasive media on everyday life. This course will focus on changes in media and includes practice in broadcast journalism, audio/visual storytelling, multimedia storytelling, as well as different platforms such as online and social media. Students will analyze local, national, and global media through the lens of law, ethics, and social responsibility. Students use course content to become knowledgeable consumers and producers of media. For the second credit: Students continue to develop media production skills in addition to continuing critical media analysis. By the end of the semester, students write and produce media projects. English/Language Arts credit (1084): The Digital Media course work addresses the Indiana Academic Standards for English/Language Arts, credits accrued can be counted as part of the eight (8) required English/Language Arts credits for all diplomas. Counts as an Elective for all diplomas. Second credit may be subtitled Advanced to allow for a successive semester of instruction at an advanced level.

Novels (1042)
LAHNN100300 Novels
LANNN100300 Novels
Recommended Grade Levels: 11, 12
Recommended Prerequisites: English 9, English 10, or teacher recommendation
Credits: 1 semester course, 1 credit per semester

Novels, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the distinct features of the novel, such as narrative and fictional elements of setting, conflict, climax, and resolution, and may be organized by historical periods, themes, or authors. Students examine novels of a given period, such as Victorian, the Modern Period, or Contemporary Literature, and what distinguishes novels from short stories, epics, romances, biographies, science fiction, and others. Students analyze novels by various important authors from the past and present or sets of novels from a specific era or across several eras. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within the curriculum. Fulfills an English/Language Arts requirement for all diplomas.

Short Stories (1046)
LAHSS00300 Short Stories
LANSS00300 Short Stories
Recommended Grade Levels: 11, 12
Recommended Prerequisites: English 9, English 10, or teacher recommendation
Credits: 1 semester course, 1 credit per semester

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 the curriculum. Fulfills an English/Language Arts requirement for all diplomas.
Speech (1076)  
LAHS100300 Speech  
Recommended Grade Levels: Any  
Recommended Prerequisites: None  
Credits: 1 semester course, 1 credit per semester

Speech, a course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the basic principles and techniques of effective oral communication. Students deliver focused and coherent speeches that convey clear messages, using gestures, tone, and vocabulary appropriate to the audience and purpose. Students deliver different types of oral and multimedia presentations, including viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Students use the same Standard English conventions for oral speech that they use in their writing. Fulfills an English/Language Arts requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

Student Publications (Student Media) (1086)  
LAHP100100 Student Publications: Newspaper I-1  
LAHP100200 Student Publications: Newspaper I-2  
LAHP200100 Student Publications: Newspaper II-1  
LAHP200200 Student Publications: Newspaper II-2  
LAHP300100 Student Publications: Newspaper III-1  
LAHP300200 Student Publications: Newspaper III-2  
LAHP400100 Student Publications: Newspaper IV-1  
LAHP400200 Student Publications: Newspaper IV-2  
LAHY100100 Student Publications: Yearbook I-1  
LAHY100200 Student Publications: Yearbook I-2  
LAHY200100 Student Publications: Yearbook II-1  
LAHY200200 Student Publications: Yearbook II-2  
LAHY300100 Student Publications: Yearbook III-1  
LAHY300200 Student Publications: Yearbook III-2  
Recommended Grade Levels: Any  
Recommended Prerequisites: Journalism, Mass Media, or teacher recommendation  
Credits: 1 semester course, 1 credit per semester, 8 credits maximum.

Student Media, a course based on the High School Journalism Standards and the Student Media Standards, is the continuation of the study of Journalism. Students demonstrate their ability to do journalistic writing and design for high school media, including school newspapers, yearbooks, and a variety of other media formats. Students follow the ethical principles and legal boundaries that guide scholastic journalism. Students express themselves publicly with meaning and clarity for the purpose of informing, entertaining, or persuading. Students work on high school media staffs so that they may prepare themselves for career paths in journalism, communications, writing, or related fields. The nature of this course allows for successive semesters of instruction at an advanced level or in different media types where defined proficiencies and content standards are utilized. Counts as a directed elective or elective for all diplomas. Fulfills the Fine Arts requirement for the Core 40 with Academic Honors.

MATHEMATICS

Algebra I (2520)  
MAHA100100 Algebra I Academic 1  
MAHA100200 Algebra I Academic 2  
MAHA107100 Algebra I Credit Recovery 1  
MAHA107200 Algebra I Credit Recovery 2  
MAHA140100 Algebra I SE 1  
MAHA140200 Algebra I SE 2  
MAHA160100 Algebra I Honors 1  
MAHA160200 Algebra I Honors 2  
MANA100100 Algebra I-1  
MANA100200 Algebra I-2  
Recommended Grade Levels: Any  
Recommended Prerequisites: None  
Credits: 2 semester course, 1 credit per semester

Algebra I formalizes and extends the mathematics that students learned in the middle grades. Algebra 1 is made up of 6 strands: Real Numbers and Expressions; Functions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics. These critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The eight Process
Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Counts as a Mathematics course for all diplomas. Fulfills the Algebra I/Integrated Mathematics I requirement for all diplomas. Students pursuing Core 40, Core 40 with Academics Honors, or Core 40 with Technical Honors diploma should receive credit for Algebra I by the end of Grade 9.

Algebra I Lab (2516)
MAHML00104 Math Lab: 1 Algebra I
MAHML00204 Math Lab: 2 Algebra I
Recommended Grade Levels: Any
Recommended Prerequisites: None
Credits: 2 semester course, 1 credit per semester

Algebra I Lab is a mathematics support course for Algebra I. Algebra I Lab is taken while students are concurrently enrolled in Algebra I. This course provides students with additional time to build the foundations necessary for high school math courses, while concurrently having access to rigorous, grade-level appropriate courses. The five critical areas of Algebra I Lab align with the critical areas of Algebra I: Relationships between Quantities and Reasoning with Equations; Linear and Exponential Relationships; Descriptive Statistics; Expressions and Equations; and Quadratic Functions and Modeling. However, whereas Algebra I contains exclusively grade-level content, Algebra I Lab combines standards from high school courses with foundational standards from the middle grades. Counts as a Mathematics course for the General Diploma only or as an elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas. Algebra I Lab is designed as a support course for Algebra I. As such, a student taking Algebra I Lab must also be enrolled in Algebra I during the same academic year.

Algebra II (2522)
MAHA200100 Algebra II Academic 1
MAHA200200 Algebra II Academic 2
MAHA207100 Algebra II Credit Recovery 1
MAHA207200 Algebra II Credit Recovery 2
MAHA240100 Algebra II SE 1
MAHA240200 Algebra II SE 2
MAHAA260100 Algebra II Honors 1
MAHAA260200 Algebra II Honors 2
MANA200100 Algebra I-1
MANA200200 Algebra I-2
Recommended Grade Levels: Any
Recommended Prerequisites: Algebra I
Credits: 2 semester course, 1 credit per semester

Algebra II builds on work with linear, quadratic, and exponential functions and allows for students to extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Algebra II is made up of seven strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Counts as a Mathematics course for all diplomas. Fulfills the Algebra II/Integrated Mathematics III requirement for all diplomas.

Finite Mathematics (2530)
MANFM00300 Finite Mathematics
MAHFM00100 Finite Mathematics 1
MAHFM00200 Finite Mathematics 2
Recommended Grade Levels: Any
Recommended Prerequisites: Algebra II
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

Finite Mathematics is a collection of mathematical topics, frequently used in business or public policy contexts. It is a course designed for students who will undertake higher-level mathematics in college that may not include calculus. Finite Math is made up of five strands: Sets; Matrices; Networks; Optimization; and Probability. The skills listed in these strands indicate what students should know and be able to do in Finite Math. The eight Process Standards for Mathematics apply throughout the course. Together
with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Counts as a Mathematics course for all diplomas.

Geometry (2532)
MAHG100100 Geometry: Academic 1
MAHG100200 Geometry: Academic 2
MAHG107100 Geometry: Credit Recovery 1
MAHG107200 Geometry: Credit Recovery 2
MAHG140100 Geometry 1
MAHG140200 Geometry 2
MAHG160100 Geometry: Honors 1
MAHG160200 Geometry: Honors 2
MANG100100 Geometry 1
MANG100200 Geometry 2
Recommended Grade Levels: Any
Recommended Prerequisites: Algebra I
Credits: 2 semester course, 1 credit per semester

Geometry formalizes and extends students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Geometry is made up of seven strands: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Counts as a Mathematics course for all diplomas. Fulfills the Geometry/Integrated Mathematics II requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

Math 10 (2531)
MAH1000301 Math 10
Recommended Grade Levels: 9, 10
Recommended Prerequisites: Students who have attempted a complete year of Algebra I
Credits: 2 semester course, 1 credit per semester

Math 10 is a two-semester course designed to reinforce and elevate the Algebra I and 8th grade geometry knowledge and skills necessary for students to successfully complete high school mathematics courses beyond Algebra I. This course also emphasizes essentials for passing the state’s graduation qualifying exam in mathematics. Enrollment will be contingent upon recommendation of the Algebra I or Integrated Math I teacher based on diagnostic results of performance in Algebra I and/or mathematics competency assessments. The standards for this course are aligned to the state standards that students need to master for success with the state’s graduation qualifying exam in mathematics and the next level math courses. Emphasis is on a variety of instructional methods designed to meet each student’s needs and delivered through competency-based units. Pre- and post-assessment data should be analyzed on a continuous basis to drive instructional design and delivery. Counts as a Mathematics course for the General Diploma only or as an elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

Mathematics Lab (2560)
MANML00100 Math Lab 1
MANML00200 Math Lab 2
Recommended Grade Levels: Any
Recommended Prerequisites: None
Credits: 1 semester course, 1 credit per semester, 8 credits maximum

Mathematics Lab provides students with individualized instruction designed to support success in completing mathematics coursework aligned with Indiana’s Academic Standards for Mathematics. Mathematics Lab is to be taken in conjunction with a Core 40 mathematics course, and the content of Mathematics Lab should be tightly aligned to the content of its corresponding course. Mathematics Lab should not be offered in conjunction with Algebra I or Integrated Mathematics I; instead, schools should offer Algebra I Lab or Integrated Mathematics I Lab to provide students with rigorous support for these courses. Counts as an elective for all diplomas. Clarifying information can be appended to the end of the course title to denote the content covered in each course. Example: Mathematics Lab used to support students in Algebra II can be recorded on the transcript as Mathematics Lab – Algebra II.
Pre-Calculus (2564)
MAHPC00300 Pre-Calculus
MAHPC07300 Pre-Calculus: Credit Recovery
MAHPC91300 Adv Math: Pre-Calculus SBP
MANPC00300 Pre-Calculus
Recommended Grade Levels: Any
Recommended Prerequisites: Algebra II and Geometry
Credits: 1 semester course, 1 credit per semester

Pre-Calculus extends the foundations of algebra and functions developed in previous courses 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. Pre-Calculus is made up of five strands: Functions; Quadratic, Polynomial, and Rational Equations and Functions; Exponential and Logarithmic Equations and Functions; Sequences and Series; and Conics. 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. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Students should take Pre-Calculus for one semester and then Trigonometry for the other semester to make a full year of mathematics. Counts as a Mathematics course for all diplomas.

Probability and Statistics (2546)
MAHPS00300 Probability & Statistics
MANPS00300 Probability & Statistics
Recommended Grade Levels: Any
Recommended Prerequisites: Algebra II
Credits: 1 semester course, 1 credit per semester

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 technology and computer programs is encouraged. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Counts as a Mathematics course for all diplomas.

Quantitative Reasoning (2550)
MAHQR00100 Quantitative Reasoning 1
MAHQR00200 Quantitative Reasoning 2
MANQR00100 Quantitative Reasoning 1
MANQR00200 Quantitative Reasoning 2
Recommended Grade Levels: Any
Recommended Prerequisites: Algebra II
Credits: 1-2 semester course, 1 credit per semester

Quantitative Reasoning is a mathematics course focused on the study of numeracy, ratio and proportional reasoning, modeling, probabilistic reasoning to assess risk, and statistics. Students build knowledge of and confidence with basic mathematical/analytical concepts and operations required for problem solving, decision making, and economic productivity in real world applications and prepare for an increasingly information-based society in which the ability to use and critically evaluate information, especially numerical information, is essential. Technology, such as computers and graphing calculators, should be used frequently. This higher-level mathematics course is designed to align with college level quantitative reasoning courses for dual secondary/college credit. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Due to the level of rigor, it is recommended that this course be offered as a 2 semester, 2 credit course. Counts as a Mathematics Course for all diplomas. Due to the level of rigor, it is recommended that this course be offered as a 2 semester, 2 credit course.

Trigonometry (2566)
MAHTR00300 Trigonometry
MAHTR07300 Trigonometry: Credit Recovery
MANTR00300 Trigonometry
Recommended Grade Levels: Any
Recommended Prerequisites: Algebra II and Geometry
Trigonometry provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry provides the foundation for common periodic functions that are encountered in many disciplines, including music, engineering, medicine, and finance, and nearly all other STEM disciplines. Trigonometry consists of six strands: Unit Circle; Triangles; Periodic Functions; Identities; Polar Coordinates; and Vectors. Students will also advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates. A strong understanding of complex and imaginary numbers is a necessity for fields such as engineering and computer programming. The Process Standards for Mathematics apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Students should take Pre-Calculus for one semester and then Trigonometry for the other semester to make a full year of mathematics. Counts as a Mathematics course for all diplomas.

MULTIDISCIPLINARY

Basic Skills Development (0500)
MDHA130100 BSD Algebra I-1
MDHA130200 BSD Algebra I-2
MDHA230100 BSD Algebra II-1
MDHA230200 BSD Algebra II-2
MDHBS30100 BSD Resource 1
MDHBS30200 BSD Resource 2
MDHBS30101 BSD 1
MDHBS30201 BSD 2
MDHE130100 BSD English 9-1
MDHE130200 BSD English 9-2
MDHE230100 BSD Eng. 10 comb With W History 1
MDHE230200 BSD Eng. 10 comb With W History 2
MDHE330100 BSD Eng. 11 Taken With US History 1
MDHE330200 BSD Eng. 11 Taken With US History 2
MDHE430100 BSD English 12-1
MDHE430200 BSD English 12-2
MDHG130100 BSD Geometry 1
MDHG130200 BSD Geometry 2
MDHML30100 BSD Problem Solv Math Lab I-1
MDHML30200 BSD Problem Solv Math Lab I-2
MDHPS30100 BSD Pro Social Skills 1
MDHPS30200 BSD Pro Social Skills 2
MDHPS30101 BSD Pro Social Skills SE 1
MDHPS30201 BSD Pro Social Skills SE 2
MDHPS30300 BSD Pro Social Skills
MDNBS30300 BSD I
MDNBS30100 BSD I-1
MDNBS30200 BSD I-2
Recommended Grade Levels: Any
Recommended Prerequisites: None
Required Prerequisites: None
Credits: 1-8 semester course, 1 credit per semester, 8 credits maximum

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

Cadet Teaching Experience (0502)
MDHC100100 Cadet Teach Experience: Preteach Exp I-1
MDHC100200 Cadet Teach Experience: Preteach Exp I-2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: None
Required Prerequisites: None
Credits: 1-4 semester course, 1 credit per semester, 4 credits maximum
This elective course provides students in grades eleven (11) or twelve (12) organized exploratory teaching experiences in grades kindergarten (K) through grade nine (9). All teaching experiences should be preplanned by the high school Cadet Teaching Experience teacher-trainer and the cooperating teacher(s) who are supervising prospective teachers and providing them with pre-training experiences in one or more classes. This course 240 Indiana Department of Education High School Course Titles and Descriptions provides a balance of class work relating to: (1) classroom organization, (2) classroom management, (3) the curriculum and instructional process, (4) observations of teaching, and (5) instructional experiences. Study topics and background reading provide the cadets with information concerning the teaching profession and the nature of the cadet teachers’ assignments. Evaluation is based upon the cadet teachers’ cooperation, day-to-day practical performance, and class work including the cadets’ potential ability to teach. The total workload of the Cadet Teaching course is comparable to those for other subjects in the high school curriculum. Cadet teaching experience for high school students is limited to grades kindergarten through grade nine. Counts as a Directed Elective or Elective for all diplomas.

**Career Information and Exploration (0522)**
MDHCI00300 CIE: Program of study
MDHCI00301 CIE: Program of study
MDHEP001100 Education Professions I-1
MDHEP00200 Education Professions II-2
MDNCI00300 Career Info & Exploration
Recommended Grade Levels: 9, 10
Recommended Prerequisites: Preparing for College and Careers
Required Prerequisites: None
Credits: 1 semester course, 1 credit per semester

Career Information and Exploration provides students with opportunities to learn about themselves and about various traditional and nontraditional occupations and careers. Students also gain an awareness of the type of occupational preparation or training needed for various occupations and careers. Students develop skills in: (1) employability, (2) understanding the economic process, and (3) career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as field trips, internships, mock interviews, and guest speakers. Resume development experience and career-related testing are also provided to students. Counts as a Directed Elective or Elective for all diplomas. The nature of this course allows for successive semesters of instruction provided progressively advanced proficiencies and content standards are utilized.

**College-Entrance Preparation (0532)**
MDHSA30300 College Entrance Prep SAT
MDHSA301100 College Entrance Prep SAT 1
MDHSA30200 College Entrance Prep SAT 2
Recommended Grade Levels: Semester 2 grade 10; Semester 1 grade 11
Recommended Prerequisites: Algebra II (or concurrent enrollment in Algebra II)
Required Prerequisites: None
Credits: 1 semester course, 1 credit per semester, 4 credits maximum

College-Entrance Preparation utilizes individual student score reports from the PSAT, PLAN, and/or ACCUPLACER to prepare students for the SAT, ACT, ACCUPLACER and/or Compass college readiness assessments. Based on student score reports, students will receive targeted instruction to strengthen their foundations in critical reading, writing, mathematics, and science sections of college admission and placement exams. As appropriate, the course will also encompass test-taking strategies to prepare students for success on a high-stakes assessment. Teachers are encouraged to use a curriculum with longitudinal, successful results. Course may also include college selection and application units, to better prepare students for overall college-readiness. Being “college ready” means being prepared for any postsecondary education or training experience, including readiness for study at two-year and four-year institutions leading to a post-secondary credential (i.e., a certificate, license, Associate’s or Bachelor’s degree). Being ready for college means that a high school graduate has the English and mathematics knowledge and skills necessary to qualify for and succeed in entry-level, credit-bearing college courses without the need for remedial coursework. Counts as an Elective credit for all diplomas. The nature of this course allows for successive semesters of instruction provided progressively advanced proficiencies and content standards are utilized.

**Community Service (0524)**
MDHCS001100 Community Service 1
MDHCS002200 Community Service 2
MDNCS001100 Community Service 1
MDNCS002200 Community Service 2
Recommended Grade: 11, 12
Recommended Prerequisites: None
Required Prerequisites: None
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum
Community Service is a course created by public law IC 20-30-14. Community service allows students in grades nine through twelve (HEA 1629) the opportunity to earn up to two high school credits for completion of approved community service projects or volunteer service that “relates to a course in which the student is enrolled or intends to enroll.” For each student who wishes to earn credit for community service or volunteer service under this law, the student, a teacher of the student, or a community or volunteer service organization must submit an application to the high school principal. Counts as a Directed Elective or Elective for all diplomas. Students must submit an application for this course by November 1st.

**Humanities (0514)**

- MDHH200300 Humanities
- MDHH200100 Humanities 1
- MDHH200200 Humanities 2

Recommended Grade Levels: None
Recommended Prerequisites: None
Required Prerequisites: None
Credits: 1 credit per semester, 2 credits maximum

A course in humanities provides for the study of content drawn from history, philosophy, literature, languages, and the arts. This course also includes an in-depth study of specific disciplines in these and related subject areas that could include: (1) linguistics; (2) archaeology; (3) jurisprudence; (4) the history, theory, and criticism of the arts; (5) the history and philosophy of science; (6) ethics; (7) comparative religions; and (8) other aspects of the social sciences which relate to understanding life and the world. The emphasis of the course work is on developing an understanding of the content of the course and how to actually apply it to the human environment. Particular attention is given to the relevance of these applications in regard to the current conditions of life. This course may qualify for AHD credit if it meets the standards for specific language arts, social studies, or fine arts courses and is taught by teachers licensed in the specific subject areas. Counts as a Directed Elective or Elective for all diplomas.

**Jobs for America’s Graduates (0509)**

- MDHJ300100 PCI I: 1 Jobs for America’s Graduates
- MDHJ300200 PCI I: 2 Jobs for America’s Graduates
- MDHJ400100 PCI II: 1 Jobs for America’s Graduates
- MDHJ400200 PCI II: 2 Jobs for America’s Graduates

Recommended Grade Levels: 11, 12
Recommended Prerequisites: None
Credits: 2 semester course, 1 credit per semester, 4 credits maximum

Jobs for America’s Graduates (JAG) is a state-based, national nonprofit dedicated to preventing dropouts among young people who are most at-risk. JAG’s mission is to keep young people in school through graduation and provide work-based learning experiences that will lead to career advancement opportunities or to enroll in a postsecondary institution that leads to a rewarding career. JAG students receive adult mentoring while in school and one year of follow-up counseling after graduation. The JAG program is funded through grants provided by the Indiana Department of Workforce Development. Counts as an elective for all diplomas. Fulfills the Work-based Learning requirement of Graduation Pathway Domain II.

**Junior Reserve Officer Training Corps (0516)**

- MDHJR00100 JROTC I-1
- MDHJR00200 JROTC I-2
- MDHJR00101 JROTC II-1
- MDHJR00201 JROTC II-2
- MDHJR00102 JROTC III-1
- MDHJR00202 JROTC III-2
- MDHJR00103 JROTC IV-1
- MDHJR00203 JROTC IV-2

Recommended Grade Levels: None
Recommended Prerequisites: None
Required Prerequisites: None
Credits: 1 semester course, 1 credit per semester, 8 credits maximum

This course is designed to develop: (1) citizenship and patriotism, (2) self-discipline, (3) physical fitness, (4) reliance and leadership, and (5) the skills used in decision-making, communications, and problem solving. The course content and experiences enable the students to understand the role of the military in support of national objectives and to become familiar with basic military knowledge, gender equity issues, benefits, and requirements. Topics to be included in the course are: (1) military history, (2) ROTC in the military, (3) substance abuse, (4) map reading, (5) marksmanship and firearm safety, (6) military drill, (7) field activities, (8) reserve components, and (9) first aid and hygiene. Opportunities are provided to explore the qualities and traits of courage, self-sacrifice,
and integrity. Junior Reserve Officer Training Corps programs must be approved by and meet the requirements of the appropriate military organization. Counts as an Elective for all diplomas.

Peer Tutoring (0520)
MDHPT00300 Peer Tutoring
MDHPT00100 Peer Tutoring 1
MDHPT00200 Peer Tutoring 2
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: None
Required Prerequisites: None
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

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. Counts as an Elective for all diplomas.

PHYSICAL EDUCATION

Elective Physical Education (L) (3560)
PEHI100300 Individual & Team Sports 1
PEHL100300 Lifetime Sports 1
PEHL200300 Lifetime Sports 2
PEHS100300 Intro Step Aerobics 1
PEHS200300 Intro Step Aerobics 2
PEHT100300 Strength Training 1
PEHT200300 Strength Training 2
PEHT300300 Strength Training 3
PEHT400300 Strength Training 4
PEHT500300 Strength Training 5
PEHT600300 Strength Training 6
Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Physical Education I and II
Credits: 1 credit per semester, 8 credits maximum

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. A minimum of two of the following activities should be included: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance. 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. Students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEPs and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11. Counts as an elective for Physical Education for the Certificate of Completion.

Physical Education I (L) (3542)
PEHP100300 Physical Education I
Recommended Grade Levels: 9, 10, 11, 12
Recommended Prerequisites: Grade 8 Physical Education
Credits: 1 semester course, 1 credit per semester, 1 credit maximum

Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provides students with opportunities to actively participate in at least four of the following: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all of which are within the framework of the skills, knowledge and confidence needed by the student for a lifetime of healthful physical activity and fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEPs and 504 plans (e.g., chronic illnesses, temporary injuries,
obesity, etc.). See 511 IAC 7-27-9, 7-27-11. Fulfills part of the PE requirement for all diplomas. Classes are coeducational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender. Adapted physical education must be offered, as needed, in the least-restrictive environment and must be based upon an individual assessment. As a designated laboratory course, 25% of course time must be spent in activity.

Physical Education II (L) (3544)
PEHP200300 Physical Education II
Recommended Grade Levels: 9, 10, 11, 12
Recommended Prerequisites: Physical Education I
Credits: 1 semester course, 1 credit per semester, 1 credit maximum

Physical Education II focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provide students with opportunities to actively participate in at least four of the following: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEP's and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11. Fulfills part of the PE requirement for all diplomas. Classes are coeducational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender. Adapted physical education must be offered, as needed, in the least-restrictive environment and must be based upon an individual assessment. As a designated laboratory course, 25% of course time must be spent in activity.

SCIENCE

Advanced Science, Special Topics (L) (3092)
SCNS100100 Advanced Science, Special Topics 1
SCNS100200 A Advanced Science, Special Topics 2
SCHZ300300 Advanced Science, Special Topics: Zoology
SCHF300300 Advanced Science, Special Topics: Forensics
SCHM300100 Advanced Science, Special Topics: Microbiology 1
SCHM300200 Advanced Science, Special Topics: Microbiology 2
Recommended Grade Levels: 11, 12
Required prerequisites: None
Recommended Prerequisites: None
Credits: 1 semester course, 1 credit per semester, may be offered for successive semesters

Advanced Science, Special Topics is any science course which is grounded in extended laboratory, field, and literature investigations into one or more specialized science disciplines, such as anatomy/physiology, astronomy, biochemistry, botany, ecology, electromagnetism, genetics, geology, nuclear physics, organic chemistry, etc. Students enrolled in this course engage in an in-depth study of the application of science concepts, principles, and unifying themes that are unique to that particular science discipline and that address specific technological, environmental or health-related issues. Under the direction of a science advisor, students enrolled in this course will complete an end-of-course project and presentation, such as a scientific research paper or science fair project, integrating knowledge, skills, and concepts from the student’s course of study. Individual projects are preferred, but group projects may be appropriate if each student in the group has specific and unique responsibilities. Fulfills a science requirement for all diplomas.

Anatomy and Physiology (5276)
SCHAP00100 Anatomy & Physiology 1
SCHAP00200 Anatomy & Physiology 2
SCNAP00100 Anatomy & Physiology 1
SCNAP00200 Anatomy & Physiology 2
Recommended Grade Levels: 11, 12
Required Prerequisites: None
Recommended Prerequisites: Biology
Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum

Anatomy & Physiology is a course in which students investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body. Introduces students to the cell, which is the basic structural and functional unit of all organisms, and covers tissues, integument, skeleton, muscular and nervous systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & Physiology. Students will understand the structure, organization and function of the various components of the healthy
body in order to apply this knowledge in all health related fields. Counts as a Directed Elective or Elective for all diplomas. Fulfills a science course requirement for all diplomas.

**Biology I (L) (3024)**
- SCHB100100 Biology I-1
- SCHB100200 Biology I-2
- SCHB107100 Biology I Credit Recovery 1
- SCHB107200 Biology I Credit Recovery 2
- SCHB140100 Biology I-1
- SCHB140200 Biology I-2
- SCHB160100 Biology I Honors 1
- SCHB160200 Biology I Honors 2
- SCHB100100 Biology I Credit Recovery 1
- SCHB100200 Biology I Credit Recovery 2
- SCHB160100 Biology I Honors 1
- SCHB100200 Biology I Credit Recovery 1
- SCHB100200 Biology I Credit Recovery 2

Recommended Grade Levels: 9
Recommended Prerequisites: None
Required Prerequisite: None
Credits: 2 semester course, 1 credit per semester

Biology I is a course based on the following core topics: cellular structure and function, matter cycles and energy transfer; interdependence; inheritance and variation in traits, evolution. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory, and by evaluating and communicating the results of those investigations according to accepted procedures. Fulfills the Biology requirement for all diplomas.

**Biology II (L) (3026)**
- SCHB200100 Biology II-1
- SCHB200200 Biology II-2
- SCHB260100 Biology II Honors 1
- SCHB260200 Biology II Honors 2

Recommended Grade Levels: 10, 11
Recommended Prerequisites: Biology I
Required Prerequisite: None
Credits: 2 semester course, 1 credit per semester

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 an Elective for all diplomas. Fulfills a science course requirement for all diplomas.

**Chemistry I (L) (3064)**
- SCHC100100 Chemistry I-1
- SCHC100200 Chemistry I-2
- SCHC107100 Chemistry I Credit Recovery 1
- SCHC107200 Chemistry I Credit Recovery 2
- SCHC160100 Chemistry I Honors 1
- SCHC160200 Chemistry I Honors 2
- SCNC100100 Chemistry I-1
- SCNC100200 Chemistry I-2

Recommended Grade Levels: 10, 11, 12
Recommended Prerequisites: Algebra II (can be taken concurrently)
Required Prerequisite: None
Credits: 2 semester course, 1 credit per semester

Chemistry I is a course based on the following core topics: properties and states of matter; atomic structure; bonding; chemical reactions; solution chemistry; behavior of gases, and organic chemistry. Students enrolled in Chemistry I compare, contrast, and synthesize useful models of the structure and properties of matter and the mechanisms of its interactions. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations.
according to accepted procedures. Counts as an Elective for all diplomas. Fulfills a science (physical) course requirement for all diplomas. Qualifies as a quantitative reasoning course.

**Chemistry II (L) (3066)**

SCHC200100 Chemistry II-1  
SCHC200200 Chemistry II-2  
SCHC260100 Chemistry II Honors 1  
SCHC260200 Chemistry II Honors 2  
Recommended Grade Levels: 11, 12  
Recommended Prerequisites: Chemistry I and Algebra II  
Required Prerequisite: None  
Credits: 2 semester course, 1 credit per semester

Chemistry II is an extended laboratory, field, and literature investigations-based course. Students enrolled in Chemistry II examine the chemical reactions of matter in living and nonliving materials. Based on the unifying themes of chemistry and the application of physical and mathematical models of the interactions of matter, students use the methods of scientific inquiry to answer chemical questions and solve problems concerning personal needs and community issues related to chemistry. Counts as an elective for all diplomas. Fulfills a science course requirement for all diplomas. Qualifies as a quantitative reasoning course.

**Earth and Space Science I (L) (3044)**

SCHS100100 Earth/Space Science: Academic 1  
SCHS100200 Earth/Space Science: Academic 2  
SCHS107100 Earth/Space Science: Credit Recovery 1  
SCHS107200 Earth/Space Science: Credit Recovery 2  
SCHS140100 Earth/Space Science: SE 1  
SCHS140200 Earth/Space Science: SE 2  
SCHS160100 Honors Earth/Space Science: Academic 1  
SCHS160200 Honors Earth/Space Science: Academic 2  
Recommended Grade Levels: 9, 10, 11, 12  
Required Prerequisite: None  
Credits: 2 semester course, 1 credit per semester

Earth and Space Science I is a course focused on the following core topics: study of the earth's layers; atmosphere and hydrosphere; structure and scale of the universe; the solar system and earth processes. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures. Counts as an Elective for all diplomas. Fulfills a science course requirement for all diplomas.

**Environmental Science (L) (3010)**

SCHE100100 Environmental Science 1  
SCHE100200 Environmental Science 2  
SCHE107100 Environmental Science: Credit Recovery 1  
SCHE107200 Environmental Science: Credit Recovery 2  
SCHE140100 Environmental Science 1  
SCHE140200 Environmental Science 2  
Recommended Grade Levels: 11, 12  
Recommended Prerequisites: Two credits in science coursework  
Required Prerequisite: None  
Credits: 2 semester course, 1 credit per semester.

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. Counts as an Elective for all diplomas. Fulfills a science (life) course requirement for all diplomas.
Integrated Chemistry-Physics (L) (3108)
SCHI100100 Integrated Chem-Physics 1
SCHI100200 Integrated Chem-Physics 2
SCHI140100 Integrated Chem-Physics: SE 1
SCHI140200 Integrated Chem-Physics: SE 2
SCNI100100 Integrated Chem-Physics 1
SCNI100200 Integrated Chem-Physics 2
Recommended Grade Levels: 9, 10
Recommended Prerequisites: Algebra I (may be taken concurrently with this course)
Required Prerequisite: None
Credits: 2 credit course, 1 credit per semester

Integrated Chemistry-Physics is a course focused on the following core topics: constant velocity; uniform acceleration; Newton’s Laws of motion (one dimension); energy; particle theory of matter; describing substances; representing chemical change; electricity and magnetism; waves; nuclear energy. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures. Counts as an elective for all diplomas. Fulfills a science (physical) course requirement for all diplomas.

Physics I (L) (3084)
SCHP100100 Physics I-1
SCHP100200 Physics I-2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Algebra II
Required Prerequisite: None
Credits: 2 credit course, 1 credit per semester

Physics I is a course focused on the following core topics: constant velocity; constant acceleration; forces; energy; linear momentum in one dimension; simple harmonic oscillating systems; mechanical waves and sound; simple circuit analysis. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory, and by evaluating and communicating the results of those investigations according to accepted procedures. Counts as an elective for all diplomas. Fulfills a science (physical) course requirement for all diplomas. Qualifies as a quantitative reasoning course.

PLTW Biomedical Innovation (5219)
SCHB191100 Biomedical Innovations: PLTW 1
SCHB191200 Biomedical Innovations: PLTW 2
Recommended Grade Levels: 12
Required Prerequisites: Principles of the Biomedical Sciences, Human Body Systems and Medical Interventions.
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

PLTW Biomedical Innovation is a capstone course designed to give students the opportunity to design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician’s office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community. This course is aligned with postsecondary courses for Dual Credit. Counts as a Directed Elective or Elective for all diplomas.

PLTW Human Body Systems (5216)
SCHHB91100 Human Body Systems: PLTW 1
SCHHB91200 Human Body Systems: PLTW 2
SCNBH91100 Human Body Systems: PLTW 1
SCNBH91200 Human Body Systems: PLTW 2
Recommended Grade Levels: 10
Required Prerequisites: Principles of the Biomedical Sciences
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

PLTW Human Body Systems is a course designed to engage students in the study of basic human physiology and the care and maintenance required to support the complex systems. Using a focus on human health, students will employ a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress, and observe the interactions between the various body systems. Students will use appropriate software to design and build systems to monitor body functions. This course is
aligned with postsecondary courses for Dual Credit. Counts as a Directed Elective or Elective for all diplomas. Fulfills a Core 40 Science requirement for all diplomas.

PLTW Medical Interventions (5217)
SCHMI91100 Medical Interventions: PLTW 1
SCHMI91200 Medical Interventions: PLTW 1
SCNB91100 Medical Interventions: PLTW 1
SCNB91200 Medical Interventions: PLTW 2
Recommended Grade Levels: 11
Required Prerequisites: Principles of the Biomedical Sciences and Human Body Systems
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

PLTW Medical Interventions is a course that studies medical practices including interventions to support humans in treating disease and maintaining health. Using a project-based learning approach, students will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will also study the design and development of various interventions including vascular stents, cochlear implants, and prosthetic limbs. Lessons will cover the history of organ transplants and gene therapy with additional readings from current scientific literature addressing cutting-edge developments. Counts as a Directed Elective or Elective for all diplomas. Fulfills a Core 40 Science requirement for all diploma types.

PLTW Principles of Biomedical Sciences (5218)
SCHPB91100 Principles Biomedical Science: PLTW 1
SCHPB91200 Principles Biomedical Science: PLTW 2
SCNPB91100 Principles Biomedical Science: PLTW 1
SCNPB91200 Principles Biomedical Science: PLTW 2
Recommended Grade Levels: 9
Required Prerequisites: Biology I or concurrent enrollment in Biology I
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

PLTW Principles of the Biomedical Sciences provides an introduction to this field through "hands-on" projects and problems. Student work involves the study of human medicine, research processes and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts included in the curriculum are: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. Engineering principles such as the design process, feedback loops, fluid dynamics, and the relationship of structure to function will be included where appropriate. The course is designed to provide an overview of all courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses. Counts as a Directed Elective or Elective for all diplomas.

SOCIAL STUDIES

Citizenship and Civics (1508)
SSHC100300 Citizenship and Civics
SSNC100300 Citizenship and Civics
Recommended Grade Levels: None
Recommended Prerequisites: None
Credits: 1 semester course, 1 credit per semester

Citizenship and Civics is an overview of citizenship roles and responsibilities designed to help students become independent thinkers and conscientious citizens. This course deals with political trends and behavior which citizens consider to be relevant to the most pressing issues of the day. The course provides students experiences that will develop attitudes of citizenship within a democratic society. Topics include: (1) the policymaking process, (2) public participation in policymaking, (3) citizenship rights and responsibilities in a changing society, and (4) the relationship between modern society and government. Study of the local government should be a component of this course. Counts as an Elective for all diplomas.

Current Problems, Issues, and Events (1512)
SSHS100300 Current Issues: Global Society
SSNC100100 Current Issues & Events 1
SSNC100200 Current Issues & Events 2
Recommended Grade Levels: None
Recommended Prerequisites: None
Current Problems, Issues, and Events gives students the opportunity to apply investigative and inquiry techniques to the study of significant problems or issues. Students develop competence in (1) recognizing cause and effect relationships, (2) recognizing fallacies in reasoning and propaganda devices, (3) synthesizing knowledge into useful patterns, (4) stating and testing hypotheses, and (5) generalizing based on evidence. Problems or issues selected will have contemporary historical significance and will be studied from the viewpoint of the social science disciplines. Community service programs and internships within the community may be included. Course may be repeated for credit if the content of the course changes.

**Economics (1514)**

SSHEC00300 Economics: Academic  
SSHEC07300 Economics: Credit Recovery  
SSHEC60300 Economics: Honors  
SSHFE91300 Advanced SS: Fund of Econ SBP  
SSNE100300 Economics  
Recommended Grade Levels: 11, 12  
Recommended Prerequisites: None  
Credits: 1 semester course, 1 credit

Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course analyzes economic reasoning and behaviors of consumers, producers, savers, investors, workers, voters, institutions, governments, and societies in making decisions. Students explain that because resources are limited, people must make choices and understand the role that supply, demand, prices, and profits play in a market economy. Key elements of the course include the study of scarcity and economic reasoning; supply and demand; market structures; the role of government; national economic performance; the role of financial institutions; economic stabilization; and trade. Counts as an Elective for all diplomas. Fulfills the Economics requirement for the Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors and International Baccalaureate diplomas. Fulfills a Social Studies requirement for the General Diploma only. Qualifies as a quantitative reasoning course (*Beginning with the 2025 cohort, Economics will no longer be considered a quantitative reasoning course*).

**Ethnic Studies (1516)**

SSHIE100300 Ethnic Studies  
Recommended Grade Levels: None  
Recommended Prerequisites: None  
Credits: 1 semester course, 1 credit

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

**Geography and History of the World (1570)**

SSHG100100 Geo & History of the World 1  
SSHG100200 Geo & History of the World 2  
SSHG107100 Geo & History of the World: Credit Recovery 1  
SSHG107200 Geo & History of the World: Credit Recovery 2  
SSNG100100 Geo & History of the World 1  
SSNG100200 Geo & History of the World 2  
SSNG160100 Geo & History World: Honors 1  
SSNG160200 Geo & History World: Honors 2  
Recommended Grade Levels: None  
Recommended Prerequisites: None  
Credits: 2 semester course, 1 credit per semester

Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions. Geographical and historical skills include forming research questions, acquiring information by investigating a variety of primary and secondary sources, organizing information by creating graphic representations, analyzing information to determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. The historical geography concepts used to explore global themes include change over time, origin, diffusion, physical systems, cultural landscapes, and spatial distribution/patterns and interaction/relationships. Students use the knowledge, tools, and skills obtained from this course in order to analyze, evaluate, and make predictions about major global
developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century. Fulfills the Geography History of the World/World History and Civilization graduation requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas. Counts as a social studies requirement for the General Diploma. Counts as an elective for all diplomas.

**Indiana Studies (1518)**  
**SSH1103300 Indiana Studies**  
Recommended Grade Levels: None  
Recommended Prerequisites: None  
Credits: 1 semester course, 1 credit per semester

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

**Psychology (1532)**  
**SSHP100300 Psychology**  
**SSHP100100 Psychology 1**  
**SSHP100200 Psychology 2**  
**SSNP100300 Psychology**  
Recommended Grade Levels: None  
Recommended Prerequisites: None  
Credits: 1-2 semester course, 1 credit per semester

Psychology is the scientific study of mental processes and behavior. The course is divided into eight content areas: History and Scientific Method, Biological Basis for Behavior, Development, Cognition, Personality and Assessment, Abnormal Psychology, Socio-Cultural Dimensions of Behavior, and Psychological Thinking. History and Scientific Method explores the history of psychology, the research methods used, and the ethical considerations that must be utilized. Biological Basis for Behavior focuses on the way the brain and nervous system function, including sensation, perception, motivation and emotion. Development analyzes the changes through one’s life including the physical, cognitive, emotional, social and moral development. Cognition focuses on learning, memory, information processing, and language development. Personality and Assessment explains at the approaches used to explain one’s personality and the assessment tools used. Abnormal Psychology explores psychological disorders and the various treatments used for them. Socio-Cultural Dimensions of Behavior covers topics such as conformity, obedience, perceptions, attitudes and influence of the group on the individual. Psychological Thinking explores how to think like a psychologist and expand critical thinking skills needed in the day-to-day life of a psychologist. Counts as an elective for all diplomas. Fulfills course requirement for the General Diploma.

**Sociology (1534)**  
**SSHSC00300 Sociology**  
**SSNS100300 Sociology**  
Recommended Grade Levels: 11, 12  
Recommended Prerequisites: None  
Credits: 1 semester course, 1 credit per semester

Sociology allows students to study human social behavior from a group perspective. The sociological perspective is a method of studying recurring patterns in people’s attitudes and actions and how these patterns vary across time, cultures, and in social settings and groups. Students describe the development of sociology as a social science and identify methods of research. Through research methods such as scientific inquiry students examine society, group behavior, and social structures. The influence of culture on group behavior is addressed through institutions such as the family, religion, education, economics, community organizations, government, and political and social groups. The impact of social groups and institutions on group and individual behavior and the changing nature of society will be examined. Influences on group behavior and social problems are included in the course. Students also analyze the role of individuals in the community and social problems in today’s world. Counts as an elective for all diplomas. Fulfills course requirement for the General Diploma.
Topics in History (1538)
SSHT100301 Topic/History: Holocaust
SSHT100101 Topic/History: Holocaust 1
SSHT100102 Topic/History: US & WW II-1
SSHT100202 Topic/History: US & WW II-2
SSHT100306 Topic/History: World Studies
SSNT100302 Topic/History: Holocaust (New Tech)
SSNT100303 Topic/History: US & WWII (New Tech)
Recommended Grade Levels: 11, 12
Recommended Prerequisites: United States History or History and World Civilizations
Credits: 1 semester course, 1 credit per semester

Topics in History provides students the opportunity to study specific historical eras, events, or concepts. Development of historical research skills using primary and secondary sources is emphasized. The course focuses on one or more topics or themes related to United States or world history. Examples of topics might include: (1) twentieth-century conflict, (2) the American West, (3) the history of the United States Constitution, and (4) democracy in history. This course may be repeated if the material in the course is different from one semester to the next. Topics in History can address different topics in World History or U.S. History. Counts as an elective for all diplomas. Fulfill course requirement for General Diploma.

Topics in Social Science (1550)
SSHT100308 TSS: Criminology
SSHTW00300 TSS: We The People
Recommended Grade Levels: 11, 12
Recommended Prerequisites: None
Credits: 1 semester course, 1 credit per semester

Topics in Social Science provides students with an opportunity for in-depth study of a specific topic, theme, or concept in one of the social science disciplines such as anthropology, archaeology, economics, geography, political science, psychology, or sociology. It is also possible to focus the course on more than one discipline. A subtitle should be included to give a clear idea of the course content. For example, a course focusing on a specific in political science might be entitled, “Topics in Social Science: Comparative Government.” Courses taught under this title should emphasize scientific methods of inquiry and help students develop effective research and thinking skills. Counts as an elective for all diplomas. Fulfills course requirement for General Diploma.

United States Government (1540)
SSHUG00300 US Government
SSHUG60300 US Government: Honors
SSNG100300 US Government
Recommended Grade Levels: 11, 12
Recommended Prerequisites: None
Credits: 1 semester course, 1 credit per semester

***Students are required to take the naturalization test for citizenship per IC 20-30-57***

United States Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States. Responsible and effective participation of citizens is stressed. Students understand the nature of citizenship, politics, and governments and understand the rights and responsibilities of citizens and how these are part of local, state, and national government. Students examine how the United States Constitution protects rights and provides the structure and functions of various levels of government. Analysis of how the United States interacts with other nations and the government’s role in world affairs is included in this course. Using primary and secondary resources, students will articulate, evaluate, and defend positions on political issues. As a result, they will be able to explain the role of individuals and groups in government, politics, and civic activities and the need for civic and political engagement of citizens in the United States. Fulfills government requirement for all diplomas.

United States History (1542)
SSHH100100 US History 1
SSHH100200 US History 2
SSHH107100 US History Credit Recovery 1
SSHH107200 US History Credit Recovery 2
SSHH140100 US History 1
SSHH140200 US History 2
SSHH160100 US History Honors 1
SSHH160200 US History Honors 2
SSNH100100 US History 1
SSNH100200 US History 2
Recommended Grade Levels: None
Recommended Prerequisites: None
Credits: 2 semester course, 1 credit per semester

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

Urban Affairs (1544)
SSHU100300 Urban Affairs
Recommended Grade Levels: None
Recommended Prerequisites: None
Credits: 1 semester course, 1 credit per semester

Urban Affairs examines the history, organization, processes, and distinctive aspects of urban affairs. The rise of modern cities and an analysis of modern urban problems are dealt with in this course. The politics of governing urban areas, including the selection of political leaders and citizen participation in the decision-making process, is to be emphasized. Data collection and research skills may be taught in conjunction with the study of this course. Counts as an Elective for all diplomas.

World History and Civilization (1548)
SSHW100100 World History & Civics: Academic 1
SSHW100200 World History & Civics: Academic 2
SSHW107100 World History & Civics: Credit Recovery 1
SSHW107200 World History & Civics: Credit Recovery 2
SSHW140100 World History & Civics: SE 1
SSHW140200 World History & Civics: SE 2
SSHW160100 World History & Civics: Honors 1
SSHW160200 World History & Civics: Honors 2
Recommended Grade Levels: None
Recommended Prerequisites: None
Credits: 2 semester course, 1 credit per semester

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

TECHNOLOGY AND ENGINEERING

Civil Engineering and Architecture PLTW (5650)
TEHCE91100 Civil Engineering & Architecture: PLTW 1
TEHCE91200 Civil Engineering & Architecture: PLTW 2
TENCE91100 Civil Eng & Architecture: PLTW 1
TENCE91200 Civil Eng & Architecture: PLTW 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Introduction to Engineering Design and Principles of Engineering
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Civil Engineering and Architecture introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific
knowledge. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related transportation, water resource, and environmental issues. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design. Counts as a Directed Elective or Elective for all diplomas. Qualifies as a quantitative reasoning course.

**Environmental Sustainability PLTW (4818)**
TEHES91100 Environmental Sustainability: PLTW 1
TEHES91200 Environmental Sustainability: PLTW 2
Recommended Grade Levels: 11, 12
Recommended Prerequisites: Introduction to Engineering Design, Principles of Engineering, and Biology
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Environmental Sustainability is a specialization course that builds upon prior knowledge learned in previous engineering and science courses. Students investigate and design solutions in response to current challenges such as providing the world with clean and abundant drinking water, an adequate food supply, and renewable energy. Students are introduced to environmental issues and use the engineering design process to design, build, and test potential solutions. This course engages critical thinking and problem-solving skills as students apply and extend their knowledge through designing experiments, managing projects, conducting research, and creating presentations to communicate solutions. Counts as a Directed Elective or Elective for all diplomas.

**Introduction to Engineering Design PLTW (4802)**
TEHIE90100 Intro/Engineering Design: PLTW 1
TEHIE90200 Intro/Engineering Design: PLTW 2
TENIE91100 Intro Engineering Design: PLTW 1
TENIE91200 Intro Engineering Design: PLTW 2
Recommended Grade Levels: 9
Recommended Prerequisites: None
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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

**Principles of Engineering PLTW (5644)**
TEHPE91100 Principles of Engineering: PLTW 1
TEHPE91200 Principles of Engineering: PLTW 2
TENPE91100 Principles of Engineering: PLTW 1
TENPE91200 Principles of Engineering: PLTW 2
Recommended Grade Levels: 10, 11
Required Prerequisites: Introduction to Engineering Design
Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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. Counts as a Directed Elective or Elective for all diplomas. Qualifies as a quantitative reasoning course.

**WORK BASED PROGRAMS**

**Cooperative Education (6162) - Formerly ICE**
WBHCE0B100 Cooperative Education 1
WBHCE0B200 Cooperative Education 2
Recommended Grade Levels: 12
Recommended Prerequisites: Preparing for College and Careers, two credits in a career and technical education course
Credits: 2 semester course, 2 semesters required, 3 credits per semester, 6 credits maximum
Cooperative Education is an approach to employment training that spans all career and technical education program areas through school-based instruction and on-the-job training. Time allocations are a minimum of fifteen hours per week of on-the-job training and approximately five hours per week of school-based instruction, focused on employability skills development. Additionally, all state and federal laws and regulations related to student employment and cooperative education must be followed. Counts as a Directed Elective or Elective for all diplomas and fulfills Domain II of the Graduation Pathway.

**Work Based Learning Capstone (5974)**

TEHM40B100 Advanced Manufacturing: CONEXUS Intern
TEHM40B200 Advanced Manufacturing: CONEXUS Intern
WBHBE00100 Bus Coop Exp Related Instruction 1
WBHBE00200 Bus Coop Exp: Related Instruction 2
WBHBE0B100 Bus Coop Exp: On-The-Job Training
WBHBE0B200 Bus Coop Exp: On-The-Job Training 2
Recommended Grade Levels: 12
Required Prerequisites: complete at least one advanced career and technical education course from a program or a program of study. Student’s worksite placement must align to student pathway.
Credits: 1 semester course, 3 credits per semester, 6 credits maximum

Work Based Learning Capstone is a stand-alone course that prepares students for college and career. Work-based Learning means sustained interactions with industry or community professionals in real workplace settings, to the extent practicable, or simulated environments at an educational institution that foster in-depth, first hand engagement with the tasks required of a given career field, that are aligned to curriculum and instruction. Work-based Learning experiences occur in workplaces and involve an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement and training plan is developed by the student, teacher, and workplace mentor/ supervisor to guide the student’s work-based experiences and assist in evaluating achievement and performance. Related instruction shall be organized and planned around the activities associated with the student’s individual job and career objectives in a pathway; and shall be taught during the same semester the student is participating in the work-based experience. For a student to become employable, the related instruction should cover: (a) employability skills, and (b) specific occupational competencies. Counts as a Directed Elective or Elective for all diplomas and fulfills Domain II of the Graduation Pathway.

**WORLD LANGUAGES**

Arabic I (2200)
WLHA100100 Arabic I-1
WLHA100200 Arabic I-2
Recommended Grade Levels: Any
Recommended Prerequisites: None
Credits: 2 semester course, 1 credit per semester

Arabic I, a course based on Indiana’s Academic Standards for World Languages, introduces students to effective strategies for beginning Arabic language learning, and to various aspects of Arabic-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. Students will examine the practices, products and perspectives of Arabic-speaking cultures, recognize basic routine practices of the target cultures, and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding Arabic language and culture outside of the classroom. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.

French I (2020)
WLHF100100 French I-1
WLHF100200 French I-2
Recommended Grade Levels: Any
Recommended Prerequisites: None
Credits: 2 semester course, 1 credit per semester

French I, a course based on Indiana’s Academic Standards for World Languages, introduces students to effective strategies for beginning French language learning, and to various aspects of French-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. Students will examine the practices, products and perspectives of French-speaking cultures, recognize basic routine practices of the target cultures, and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding French language and culture outside of the classroom. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.

French II (2022)
WLHF200100 French II-1
WLHF200200 French II-2
Recommended Grade Levels: Any
Required Prerequisites: French I
Credits: 2 semester course, 1 credit per semester

French II, a course based on Indiana’s Academic Standards for World Languages, builds upon effective strategies for French language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, Students will describe the practices, products and perspectives of French-speaking cultures; report on basic family and social practices of the target culture; and describe contributions from the target culture. Counts as a Directed Elective or Elective for any diploma. This course further emphasizes making connections across content areas and the application of understanding Arabic language and culture outside of the classroom. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.

French III (2024)
WLHF300100 French III-1
WLHF300200 French III-2
Recommended Grade Levels: Any
Required Prerequisites: French I and II
Credits: 2 semester course, 1 credit per semester

French III, a course based on Indiana’s Academic Standards for World Languages, builds upon effective strategies for French language learning by facilitating the use of language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of French-speaking cultures through recognition of the interrelations among the practices, products, and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well as the application of understanding Arabic language and culture outside of the classroom. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.

French IV (2026)
WLHF400100 French IV-1
WLHF400200 French IV-2
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: French I, II and III
Credits: 2 semester course, 1 credit per semester

French V, a course based on Indiana’s Academic Standards for World Languages, provides opportunities for students to interact and exchange information in culturally and socially authentic and/or simulated situations to demonstrate integration of language skills with understanding of French-speaking culture. This course emphasizes the use of appropriate formats, varied vocabulary and complex language structures within student communication, both oral and written, as well as the opportunity to produce and present creative material using the language. Additionally, students will continue to develop an understanding of French-speaking culture through investigating the origin and impact of significant events and contributions unique to the target culture, comparing and
contrasting elements that shape cultural identity in the target culture and the student’s own culture, and explaining how the target language and culture impacted other communities. This course further emphasizes the integration of concepts and skills from other content areas with the target language and cultural understanding, as well as the exploration of community resources intended for native French speakers. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.

French V (2028)
WLHF500100 French V-1
WLHF500200 French V-2
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: French I, II, III and IV
Credits: 2 semester course, 1 credit per semester

French V, a course based on Indiana’s Academic Standards for World Languages, provides opportunities for students to interact and exchange information in culturally and socially authentic and/or simulated situations to demonstrate integration of language skills with understanding of French-speaking culture. This course emphasizes the use of appropriate formats, varied vocabulary and complex language structures within student communication, both oral and written, as well as the opportunity to produce and present creative material using the language. Additionally, students will continue to develop an understanding of French-speaking culture through investigating the origin and impact of significant events and contributions unique to the target culture, comparing and contrasting elements that shape cultural identity in the target culture and the student’s own culture, and explaining how the target language and culture impacted other communities. This course further emphasizes the integration of concepts and skills from other content areas with the target language and cultural understanding, as well as the exploration of community resources intended for native French speakers. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.

German I (2040)
WLHG100100 German I-1
WLHG100200 German I-2
Recommended Grade Levels: Any
Recommended Prerequisites: None
Credits: 2 semester course, 1 credit per semester

German I, a course based on Indiana’s Academic Standards for World Languages, introduces students to effective strategies for beginning German language learning, and to various aspects of German-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. Students will examine the practices, products and perspectives of German-speaking cultures, recognize basic routine practices of the target cultures, and recognize and use situations appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding German language and culture outside of the classroom. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.

German II (2042)
WLHG200100 German I-1
WLHG200200 German I-2
Recommended Grade Levels: Any
Required Prerequisites: German I
Credits: 2 semester course, 1 credit per semester

German II, a course based on Indiana’s Academic Standards for World Languages, builds upon effective strategies for German language learning by facilitating the use of language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail than in previous courses. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of German-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding German language and culture outside of the classroom. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.
German III (2120)
WLHS100100 Spanish I-1
WLHS100200 Spanish I-2
Recommended Grade Levels: Any
Required Prerequisites: None
Credits: 2 semester course, 1 credit per semester

Spanish I, a course based on Indiana’s Academic Standards for World Languages, introduces students to effective strategies for beginning Spanish language learning, and to various aspects of Spanish-speaking cultures. This course Spanish I 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. Students will examine the practices, products and perspectives of Spanish-speaking cultures, recognize basic routine practices of the target cultures, and recognize and use situations appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.

German IV (2120)
WLHG400100 German IV-1
WLHG400200 German IV-2
Recommended Grade Levels: 10, 11, 12
Required Prerequisites: German I, II and III
Credits: 2 semester course, 1 credit per semester

German IV, a course based on Indiana’s Academic Standards for World Languages, provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Students will continue to develop an understanding of German-speaking cultures through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of the target culture and the student’s own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the German language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native German speakers. Counts as a Directed Elective or Elective for all other diplomas. Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma.
Spanish II (2122)
WLHS200100 Spanish II-1
WLHS200200 Spanish II-2
WLNS200100 Spanish II-1
WLNS200200 Spanish II-2
Recommended Grade Levels: Any
Required Prerequisites: Spanish I
Credits: 2 semester course, 1 credit per semester

Spanish II, a course based on Indiana’s Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of Spanish-speaking cultures; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.

Spanish III (2124)
WLHS300100 Spanish III-1
WLHS300200 Spanish III-2
WLNS300100 Spanish III-1
WLNS300200 Spanish III-2
Recommended Grade Levels: Any
Required Prerequisites: Spanish I and II
Credits: 2 semester course, 1 credit per semester

Spanish III, a course based on Indiana’s Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by facilitating the use of language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail than in previous courses. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Students will continue to develop an understanding of Spanish-speaking cultures through recognition of the interrelations among the practices, products, and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well as the application of understanding Spanish language and culture outside of the classroom. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.

Spanish IV (2126)
WLHS400100 Spanish IV-1
WLHS400200 Spanish IV-2
Recommended Grade Levels: Any
Required Prerequisites: Spanish I, II and III
Credits: 2 semester course, 1 credit per semester

Spanish IV, a course based on Indiana’s Academic Standards for World Languages, provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Students will continue to develop an understanding of Spanish-speaking cultures through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of the target culture and the student’s own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the Spanish language and culture in the community beyond the classroom is explored through the identification and
evaluation of resources intended for native Spanish speakers. Counts as a Directed Elective or Elective for all other diplomas. Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma.

Spanish V (2128)
WLHS500100 Spanish V-1
WLHS500200 Spanish V-2
Required Prerequisites: Spanish I, II, III & IV
Credits: 2 semester course, 1 credit per semester

Spanish V, a course based on Indiana’s Academic Standards for World Languages, provides opportunities for students to interact and exchange information in culturally and socially authentic and/or simulated situations to demonstrate integration of language skills with understanding of Spanish-speaking culture. This course emphasizes the use of appropriate formats, varied vocabulary and complex language structures within student communication, both oral and written, as well as the opportunity to produce and present creative material using the language. Additionally, students will continue to develop an understanding of Spanish-speaking culture through investigating the origin and impact of significant events and contributions unique to the target culture, comparing and contrasting elements that shape cultural identity in the target culture and the student’s own culture, and explaining how the target language and culture and impacted other communities. This course further emphasizes the integration of concepts and skills from other content areas with the target language and cultural understanding, as well as the exploration of community resources intended for native Spanish speakers. Counts as a Directed Elective or Elective for any diploma. Fulfills a World Language requirement for the Core 40 with Academic Honors diploma.
ATHLETICS

Athletic Participation

To be eligible scholastically, a student must have received passing grades at the end of his or her last grade period in the following manner: Passing five high school credited courses each grading period. College course grades will count at the completion of the course.

Test Scores

- Division I uses a sliding scale to match test scores and core grade point averages. The sliding scale for those requirements is shown on the NCAA Eligibility Center’s website (www.eligibilitycenter.org).
- Division II requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

Grade-Point Average

- Be sure to look at your high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org). Use the list as a guide.
- Only courses that appear on your school’s List of NCAA Courses will be used in the calculation of the core grade-point average. Use the list as a guide.
- Division I core grade-point-average requirements are listed on the sliding scale on the NCAA Eligibility Center’s website (www.eligibilitycenter.org).
- The Division II core grade-point-average requirement is a minimum of 2.000.
- Remember, the NCAA grade-point average is calculated using NCAA core courses only.
ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification account with the NCAA Eligibility Center at [eligibilitycenter.org](http://eligibilitycenter.org). If you want to play Division III sports or you aren’t sure where you want to compete, start by creating a Profile Page account at [eligibilitycenter.org](http://eligibilitycenter.org).

**ACADEMIC REQUIREMENTS**
To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an SAT or ACT score that matches your core-course GPA.

**CORE COURSES**
Only courses that appear on your high school's list of NCAA core courses will count toward the 16 core-course requirement; visit [eligibilitycenter.org/courselist](http://eligibilitycenter.org/courselist) for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

**DIVISION I**
Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

- **ENGLISH**
  4 years
- **MATH** (Algebra I or higher)
  3 years
- **NATURAL/PHYSICAL SCIENCE** (including one year of lab, if offered)
  2 years
- **ADDITIONAL** (English, math or natural/physical science)
  1 year
- **SOCIAL SCIENCE**
  2 years
- **ADDITIONAL COURSES** (any area listed to the left, foreign language or comparative religious/philosophy)
  4 years

**DIVISION II**

- **ENGLISH**
  3 years
- **MATH** (Algebra I or higher)
  2 years
- **NATURAL/PHYSICAL SCIENCE** (including one year of lab, if offered)
  2 years
- **ADDITIONAL** (English, math or natural/physical science)
  3 years
- **SOCIAL SCIENCE**
  2 years
- **ADDITIONAL COURSES** (any area listed to the left, foreign language or comparative religious/philosophy)
  4 years

**GRADE-POINT AVERAGE**
The NCAA Eligibility Center calculates your grade-point average based only on the grades you earn in NCAA-approved core courses.
- DI requires a minimum 2.3 GPA.
- DII requires a minimum 2.2 GPA.

**SLIDING SCALE**
Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about sliding scales at [ncaa.org/test-scores](http://ncaa.org/test-scores).

**TEST SCORES**
You may take the SAT or ACT an unlimited number of times before you enroll full time in college. Every time you register for the SAT or ACT, use the NCAA Eligibility Center code 9999 to send your scores directly to us from the testing agency. We accept official scores only from the SAT or ACT, and cannot use scores shown on your high school transcript. If you take either test more than once, the best subscore from different tests are used to give you the best possible score. More information regarding the impact of COVID-19 and test scores can be found at [on.ncaa.com/COVID19_Fall_B](http://on.ncaa.com/COVID19_Fall_B).
HIGH SCHOOL TIMELINE

9th Grade
• Start planning now! Take the right courses and earn the best grades possible.
• Find your high school’s list of NCAA-approved core courses at eligibilitycenter.org/courselist.
• Sign up for a free Profile Page account at eligibilitycenter.org for information on NCAA requirements.

10th Grade
• Register for a Profile Page or Certification account with the NCAA Eligibility Center at eligibilitycenter.org.
• Monitor your Eligibility Center account for next steps.
• If you fall behind academically, ask your counselor for help finding approved courses you can take.

11th Grade
• Check with your counselor to make sure you are on track to complete the required number of NCAA-approved courses and graduate on time with your class.
• Take the SAT/ACT and submit your scores to the NCAA Eligibility Center using code 9999.
• Ensure your sports participation information is correct in your Eligibility Center account.
• At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your Eligibility Center account.

12th Grade
• Complete your final NCAA-approved core courses as you prepare for graduation.
• Take the SAT/ACT again, if necessary, and submit your scores to the NCAA Eligibility Center using code 9999.
• Request your final amateurism certification beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at eligibilitycenter.org.
• After you graduate, ask your counselor to upload your final official transcript with proof of graduation to your Eligibility Center account.
• Reminder: Only students on an NCAA Division I or II school’s institutional request list will receive a certification.

How to plan your high school courses to meet the 16 core-course requirement:

9th Grade
(1) English
(1) Math
(1) Science
(1) Social Science and/or additional
4 CORE COURSES

10th Grade
(1) English
(1) Math
(1) Science
(1) Social Science and/or additional
4 CORE COURSES

11th Grade
(1) English
(1) Math
(1) Science
(1) Social Science and/or additional
4 CORE COURSES

12th Grade
(1) English
(1) Math
(1) Science
(1) Social Science and/or additional
4 CORE COURSES

Search Frequently Asked Questions: ncaa.org/studentfaq
Follow us: @ncaaec  @playcollegesports  @ncaaec

December 2020
NCAA is a trademark of the National Collegiate Athletic Association.
PHYSICAL EDUCATION CREDIT

The Indiana State Board of Education has provided flexibility to adapt the high school physical education requirements for students who demonstrate proficiency through other means.

Program Requirements

- One (1) PE credit will be given for a complete season of:
  - Any FWCS sponsored IHSAA sanctioned sport
  - Marching Band
  - Winter Guard
  - Competitive Show Choir
  - Dance Team

All of these activities are within the framework of lifetime physical activities and fitness.

- You can earn one (1) credit in PE II for any of the above activities.
- Retroactive credits will NOT be awarded. It is your responsibility to get the form completed and turned in after completing the activity.
- A complete season is defined as first practice to final event. The student must remain on the active roster the entire season or duration of the activity.
- Disciplinary suspensions from the team or activity may result in forfeiture of credit as determined by the coach, director or sponsor.
- At the conclusion of the season or activity, the coach, director or sponsor will validate completion on the PE Waiver Form.
- The form must be completed and turned into the guidance office within two weeks of the end of the season or activity.
- A grade of ‘A’ will be granted to all students who meet the requirements for the alternative credit.
- The PE II credits must be earned by the end of the sophomore year.

Things you must do:

- The PE Waiver Form must be completed by you and the coach, director or sponsor at the completion of the season or activity.
- You must turn the PE Waiver Form into the guidance office within two (2) weeks of the completion of the season or activity.
- Make sure PE II credits are completed before the end of the sophomore year.
**FORT WAYNE COMMUNITY SCHOOLS**

**PE II Waiver Completion**

This form must be signed by the coach, sponsor or director and by the student at the end of the season and returned to guidance office no later the two (2) weeks after the season has ended. The PE Waiver credit MUST be earned by the end of the sophomore year.

Name _______________________________ Grade ________ ID#_________________

This student has earned one (1) PE credit in (check one) PE II by participating in one of the following approved extra-curricular activities:

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Winter/Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross Country</td>
<td>Baseball</td>
</tr>
<tr>
<td>Cheerleading (fall)</td>
<td>Basketball</td>
</tr>
<tr>
<td>Football</td>
<td>Cheerleading (winter)</td>
</tr>
<tr>
<td>Golf (girls)</td>
<td>Competitive Show Choir</td>
</tr>
<tr>
<td>Marching Band</td>
<td>Dance team</td>
</tr>
<tr>
<td>ROTC</td>
<td>Golf (boys)</td>
</tr>
<tr>
<td>Soccer</td>
<td>Softball</td>
</tr>
<tr>
<td>Tennis (boys)</td>
<td>Swimming and Diving</td>
</tr>
<tr>
<td>Volleyball</td>
<td>Tennis (girls)</td>
</tr>
<tr>
<td></td>
<td>Track and Field</td>
</tr>
<tr>
<td></td>
<td>Wrestling</td>
</tr>
<tr>
<td></td>
<td>Winter Drum Line</td>
</tr>
<tr>
<td></td>
<td>Winter Guard</td>
</tr>
</tbody>
</table>

This PE credit was earned during the _____________ school year.

This student met the requirement to earn his/her alternative PE II credit by:
1. Completing and actively participating in the entire season for the sport or activity checked above, and
2. By not having any disciplinary suspensions from the sport or activity checked above.

__________________________  ____________         _____________________________  ________
Coach/Sponsor Signature      Date                      Student Signature            Date

**For Guidance Use Only:**

Date Competed Form Received: ____________ By: ______________________________

Credit Earned: Yes ☐ No ☐

Date Placed on Transcript: ____________ By: ______________________________

Registrar: ________________________________________ Date:________________
**Student Request for College Credit**

<table>
<thead>
<tr>
<th>Student Name:</th>
<th>High School:</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Course Name:</td>
<td>College Course #:</td>
</tr>
<tr>
<td>University or College Name:</td>
<td>Days &amp; Time of College Class:</td>
</tr>
<tr>
<td>Semester 1 or 2 Both Semesters 1 &amp; 2</td>
<td>School Year:</td>
</tr>
</tbody>
</table>

- I understand that this course must be approved by my guidance counselor.
- I must submit an official college course transcript to the registrar at my high school for this course to be counted on my transcript.
- I understand that if the course for which I am requesting credit is no longer available, I will not register for an alternative course without submitting a new request form.

**Student’s Signature**

**Date**

**Parent/Guardian’s Signature**

**Date**

**Guidance Coordinator Signature**

**Date**

**Principal Signature**

**Date**

**Office of School Leadership Director Signature**

**Date**

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**REQUESTS FOR COLLEGE CREDIT MUST BE SIGNED OFF BY THE SCHOOL AND THE OFFICE OF SCHOOL LEADERSHIP PRIOR TO THE STUDENT ENROLLING IN A COLLEGE COURSE.**

**“FORM MUST BE RECEIVED PRIOR TO REGISTERING FOR THE CLASS”**

If the course is NOT approved for credit to be transferred back to the high school, the student may take the course if he/she has completed or will complete all requirements of the Core 40 diploma. The course will NOT count on the HS transcript. **If college course is outside of normal school hours, students are required to attend a full day at their home school.**

**Below For FWCS Staff Only**

<table>
<thead>
<tr>
<th>√</th>
<th>Please complete each step below</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Student, parent/guardian, and guidance counselor must sign the request form.</td>
</tr>
<tr>
<td></td>
<td>Course requested is NOT offered on student’s school site as a dual credit course</td>
</tr>
<tr>
<td></td>
<td>Scanned copy of form sent via email to the Office of School Leadership for approval – form will be returned with a recommendation for approval (a course number will be included if approved for credit). Students can be enrolled in courses with active course numbers and no further action is taken.</td>
</tr>
<tr>
<td></td>
<td>The signed agreement is returned to the high school guidance counselor and placed on file.</td>
</tr>
<tr>
<td></td>
<td>Reviewed (Initialed &amp; Dated) by Director of Curriculum, Assessment &amp; Instruction.</td>
</tr>
</tbody>
</table>

**FINAL APPROVAL**

<table>
<thead>
<tr>
<th>□ Approve</th>
<th>□ Disapprove</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature – Chief Academic Officer</td>
<td>Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>□ Approve</th>
<th>□ Disapprove</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature – Chief Office of School Leadership</td>
<td>Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PowerSchool Course Number:</th>
<th>PowerSchool Course Name:</th>
</tr>
</thead>
</table>

Approved 11/10/2020
By completing this form, students are requesting to take a class as pass/fail. Requests for pass/fail grading option must be received on or before the end of the first two weeks of the semester. The Principal and Chief of School Leadership and/or Level Director will review requests on a case-by-case basis. Courses that apply to the Core 40 diploma or higher and courses that apply to parts two and three of the new graduation pathway options will not be allowed a pass/fail option. Classes taken as pass/fail will not be calculated into the student’s grade point average.

<table>
<thead>
<tr>
<th>Date</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Name</td>
<td></td>
</tr>
<tr>
<td>High School</td>
<td></td>
</tr>
<tr>
<td>Course Requested to be Taken</td>
<td>Pass/Fail</td>
</tr>
<tr>
<td>Teacher Name</td>
<td></td>
</tr>
</tbody>
</table>

I(We) confirm that the course requested for pass/fail does not affect the student’s application for the Core 40 diploma or higher.

<table>
<thead>
<tr>
<th>Student Signature</th>
<th>Date</th>
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<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Parent Signature</th>
<th>Date</th>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Guidance Coordinator Signature</th>
<th>Date</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Principal or Designee’s Signature</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Chief of School Leadership Signature or Level Director</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*This form is to remain on file in the guidance department office, and a copy of this form is to be placed in the student’s permanent file.*
Request for High School Credit for Middle School Course

Date of Request: ___________     Student Name: ___________________________________________

Middle School Courses for which high school credit is requested:

_______________________________________________________________________________
_______________________________________________________________________________
_______________________________________________________________________________

Semester and School Year: ___________________________________________________________________

Middle School where courses were taken: ________________________________________________________

__________________________________________
Student Signature                     Date:

__________________________________________
Parent/Guardian Signature             Date:

Return this form to your high school guidance department for processing. Thank you.

For office use only

Date Received: ________________     Received by: ________________

Current high school: ________________     Verification of coursework: ________________ Date
of placement on high school transcript: ________________ Registrar’s initials: ________________

Original form should be placed in student’s file. Copy to parent/guardian.