

2025-2026 Course Offering Guide (Classes of 2026-2028)

Also available at: ahs.msdssteuben.k12.in.us

Angola High School

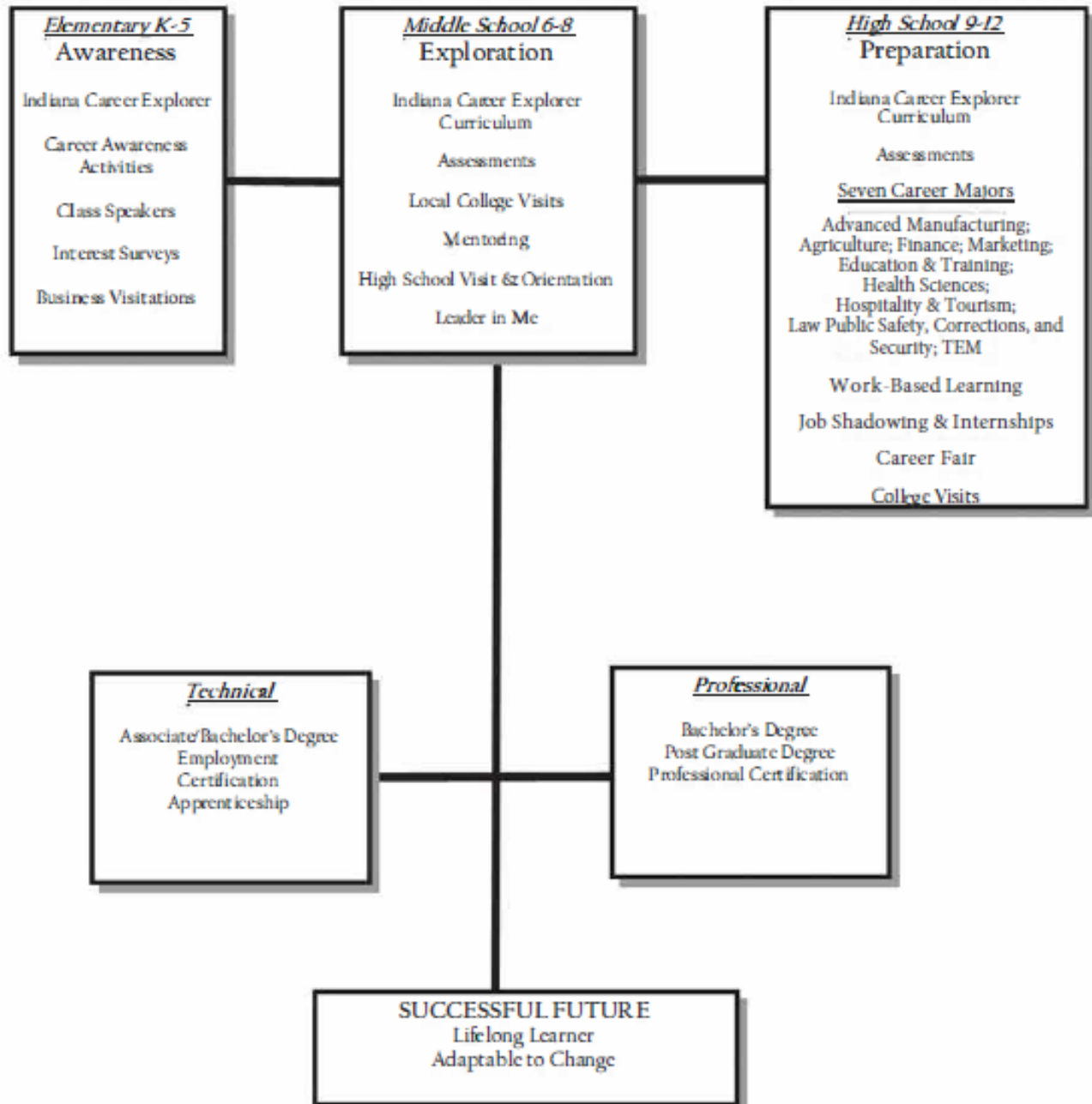


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Vision Statement for Angola High School:
Angola High School prepares students with the skills they need for life.

The School Board of Trustees declares it the policy of the Metropolitan School District of Steuben County to provide equal educational and employment opportunities regardless of race, creed, color, religion, national origin, age, gender, and where applicable marital status, familial status, parental status, domicile, disability, genetic information, veteran status, sexual orientation, political beliefs, reprisal, or any legally protected characteristic. For inquiries of the Title IX Coordinator, Section 504 Coordinator, and American with Disabilities Act (ADA), contact the Director of Student Services at 260-665-2854.




MSD of Steuben County Career Education Model



Graduation Pathway Diploma

All students beginning with the graduating class of 2023 must satisfy all three of the following Graduation Pathway Diploma Requirements by completing one in each bucket/graduation requirement:



Graduation Requirements	Graduation Pathway Options
 <p data-bbox="548 730 808 835">Bucket 1 High School Credits</p>	<p data-bbox="841 688 1360 835">Students must meet the statutorily defined diploma credit and curricular options. More information on page 5.</p>
 <p data-bbox="548 1045 808 1150">Bucket 2 Employability Skills</p>	<p data-bbox="841 1003 1360 1077">Students must complete at least one of the following:</p> <ul data-bbox="885 1081 1242 1192" style="list-style-type: none"> • Project-based Learning • Service-based Learning • Work-based Learning
 <p data-bbox="548 1402 808 1591">Bucket 3 Postsecondary Ready Competencies</p>	<p data-bbox="841 1318 1360 1392">Students must complete at least one of the following:</p> <ul data-bbox="885 1396 1360 1745" style="list-style-type: none"> • Honors Diploma • ACT or SAT benchmark score • ASVAB • State and Industry recognized credential or certification • Career Technical Education Concentrator • Three AP/Dual credit courses • Locally Created Pathway



Bucket 1

High School Diploma



Effective beginning with students who enter high school in 2012-13 school year (class of 2016).

Course and Credit Requirements	
English/ Language Arts	8 credits Including a balance of literature, composition and speech.
Mathematics	6 credits (in grades 9-12) 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II <small>Or complete Integrated Math I, II, and III for 6 credits. Students must take a math course or quantitative reasoning course each year in high school!</small>
Science	6 credits 2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
Social Studies	6 credits 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics 2 credits: World History/Civilization or Geography/History of the World
Directed Electives	5 credits World Languages Fine Arts Career and Technical Education
Physical Education	2 credits
Health and Wellness	1 credit
Electives*	6 credits <small>(College and Career Pathway courses recommended)</small>
40 Total State Credits Required	

Schools may have additional local graduation requirements that apply to all students (not required for students with an IEP).

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

**SAT scores updated September, 2017

***WorkKeys assessment titles updated, 2018

CORE40 with Academic Honors

(minimum 47 credits)

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

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following:
 - A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
 - B. Earn 6 verifiable transcribed college credits in dual credit courses from the approved dual credit list.
 - C. Earn two of the following:
 1. A minimum of 3 verifiable transcribed college credits from the approved dual credit list,
 2. 2 credits in AP courses and corresponding AP exams,
 3. 2 credits in IB standard level courses and corresponding IB exams.
 - D. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section.**
 - E. Earn an ACT composite score of 26 or higher and complete written section
 - F. Earn 4 credits in IB courses and take corresponding IB exams.

CORE40 with Technical Honors

(minimum 47 credits)

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

- Complete all requirements for Core 40.
- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
 1. Pathway designated industry-based certification or credential, or
 2. Pathway dual credits from the approved dual credit list resulting in 6 transcribed college credits
- Earn a grade of "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following,
 - A. Any one of the options (A - F) of the Core 40 with Academic Honors
 - B. Earn the following minimum scores on WorkKeys: Workplace Documents, Level 6; Applied Math, Level 6; and Graphic Literacy, Level 5.***
 - C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
 - D. Earn the following minimum score(s) on Compass: Algebra 66, Writing 70, Reading 80.



Bucket 2

Employability Skills

All students will participate in a Project-Based Learning Experience each year. Projects are included in English 9, Health, US History, and Economics. Each project includes explicit instruction in and assessment of the Employability Skills. Students will receive an Employability Skills Micro-credential upon successful demonstration of these skills. Students must complete at least one of the following:

Project-Based Learning	Service-Based Learning	Work-Based Learning
English 9 Project Health Project US History Project Economics Project	Any athletic team such as, football, volleyball, tennis, cross country, soccer, basketball, track, wrestling, gymnastics, baseball, softball, Cheerleading	Any CTE pathway capstone work-based learning course
	Academic Teams, Quiz Bowl, Spell Bowl, Robotics Club, Chess Club, Band, Theatre, Choir, Student Council, E-Sports Club, Leader in Me Lighthouse Team, and many others	Any outside work experience documented

Do *you* Have The Skills Indiana's Employers Are Searching For?

INDIANA EMPLOYERS WANT HIGHLY-SKILLED EMPLOYEES. DEVELOPING THESE **18 Employability Skills** CAN HELP YOU LAND YOUR DREAM JOB!

MINDSETS

Lifelong Learning

DEMONSTRATE WILLINGNESS TO WORK AND LEARN, AND CONTINUALLY APPLY NEW KNOWLEDGE.



Possess **belief** in own ability to succeed and assert self when necessary.



SELF-CONFIDENCE

LEARNING STRATEGIES

Effective COMMUNICATION

Apply skills to clearly, effectively, and convincingly express ideas and messages to others appropriate to the environment.

DECISION-MAKING

Utilize critical thinking skills and perspectives of others to make informed decisions based on options, rewards, risks, limits, and goals.



INITIATIVE

Apply self-motivation and self-direction to work and learning.



Attention to DETAIL

Achieve thoroughness and accuracy when accomplishing a task.



APTITUDE & Awareness

Identify and communicate individual interests and skills that align coursework and experiences to potential career paths and to in-demand occupations.



PROBLEM SOLVING

Apply critical and creative thinking skills to resolve problems.



WORK ETHIC

Self-Discipline

Demonstrate **self-control** and behave in accordance to rules with minimal direction.



Successfully carry out expectations with minimal supervision.



INDEPENDENCE

PERSEVERANCE

DEMONSTRATE ENDURANCE AND CAPACITY TO COMPLETE TASKS.



TIME MANAGEMENT & ORGANIZATION

Plan and organize long and short-term goals while understanding how to balance school, home, and community activities.

Manage transitions and adjust to changing situations and responsibilities.



ADAPTABILITY

INTEGRITY

ACT IN A TRUSTWORTHY AND HONEST MANNER.



PROFESSIONALISM

Demonstrate skills and behaviors appropriate for school and work.

SOCIAL & EMOTIONAL SKILLS

Connection



Demonstrate the ability to network with others through social awareness and cultural sensitivity.

REGULATION

Recognize and manage one's emotions.



Collaboration

Work well with others in a team.



Want to learn more?
www.employabilityskills.in.gov

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Bucket 3

Post-Secondary Competencies


Students must complete at least one of the following:

Competency	Description
Honors Diploma	See page 5
ACT	Must meet national college-ready benchmarks set by ACT. These are 18 in English, 22 in Reading, 22 in Math, and 23 in Science . Students can sign up to take the ACT outside of school, primarily on Saturdays. Sign up at www.actstudent.org .
SAT	Must meet national college-ready benchmarks set by the College Board. These are 480 in English and 530 in Math. Angola High School administers the SAT to all juniors in the spring of their 11 th grade year. Prior to this, students will take the PSAT, as well as utilize Kahn Academy for free SAT practice.
ASVAB	The ASVAB will be given once per year at Angola High School. A qualifying score of 31 will meet this requirement. Students MUST sign a letter of intent to join a military branch to use this competency.
State and Industry Recognized Credential or Certification (as determined by the State Board of Education)	Industry Certifications generally earned through a CTE pathway at Angola High School or Impact.
Career-Technical Education Concentrator	Must take a Next Level Program of Study three-course sequence. Refer to the CTE pathway maps in pages 8-30.
AP/Dual Credit Courses	If a student is taking AP/Dual credit courses to meet the post-secondary competency, either one of the three courses MUST be in a core content area such as English, Math, Science, Social Studies. Or all three courses MUST be part of the defined CTE sequence such as Health Sciences or Fire Fighting/EMT pathway.
Locally Created Pathway	Angola High School has been approved for several locally created pathway. These include: Civic Arts Pathway, Evolution to Employment, and Global Communication. See your guidance counselor or pathway director for more information.

Career & Technical Education Programs and Certifications

Adv. Manufacturing		
Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	Intro to Adv. Manufacturing	
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
	Principles of Smart Manufacturing^	Principles of Smart Manufacturing^
Junior Year		
English/LA	English 11 or Honors Adv Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	Digital Manufacturing Systems^	Digital Manufacturing Systems^
	Robotics Design & Innovation^	Robotics Design & Innovation^
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	Smart Manufacturing Capstone	Smart Manufacturing Capstone
	Smart Manufacturing Capstone	Smart Manufacturing Capstone
	Smart Manufacturing Capstone	Smart Manufacturing Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Adv. Manufacturing can earn Industry 4.0 Electrical Systems certifications.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Adv. Manufacturing - Precision Machining

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	Introduction to Manufacturing	*Fine Arts credit
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	IMPACT - ^Principles of Precision Machining	IMPACT - ^Principles of Precision Machining
	IMPACT - ^Machining Fundamentals	IMPACT - ^Machining Fundamentals
	IMPACT - ^Adv. Precision Machining	IMPACT - ^Adv. Precision Machining
Senior Year		
English/LA	English 12 or Eng Lit206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	IMPACT - Precision Machining Capstone	IMPACT - Precision Machining Capstone
	IMPACT - Precision Machining Capstone	IMPACT - Precision Machining Capstone
	IMPACT - Precision Machining Capstone	IMPACT - Precision Machining Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
<div>  <div> ^DC - College Credit opportunity with local universities. NLPS Adv. Manufacturing can earn NIMS certifications. </div>  </div>		
#Additional dual credit courses are required to earn the Indiana College Core.		

Adv. Manufacturing - Welding Technology

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	Introduction to Adv. Manufacturing	*Fine Arts credit
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	IMPACT - ^Principles of Welding Tech	IMPACT - ^Principles of Welding Tech
	IMPACT - ^Shielded Metal Arc Welding	IMPACT - ^Shielded Metal Arc Welding
	IMPACT - ^Gas Welding Processes	IMPACT - ^Gas Welding Processes
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	IMPACT - Welding Capstone	IMPACT - Welding Capstone
	IMPACT - Welding Capstone	IMPACT - Welding Capstone
	IMPACT - Welding Capstone	IMPACT - Welding Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
 ^DC - College Credit opportunity with local universities. 		
NLPS Adv. Manufacturing - Welding can earn AWS, Level 1 certifications.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Agriculture

Agriculture - Animals

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	^Principles of Agriculture	^Principles of Agriculture
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
	^Animal Science	^Animal Science
Junior Year		
English/LA	English 11 or Honors Adv Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	^Adv. Life Science, Animals	^Adv. Life Science, Animals
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	Agriculture Research Capstone	Agriculture Research Capstone
	Agriculture Research Capstone	Agriculture Research Capstone
	Agriculture Research Capstone	Agriculture Research Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Agriculture - Animal with Plant/Soil

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	^Principles of Agriculture	^Principles of Agriculture
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
	^Animal Science	^Animal Science
Junior Year		
English/LA	English 11 or Honors Adv Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	^Adv. Life Science, Plants and Soils	^Adv. Life Science, Plants and Soils
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	Agriculture Research Capstone	Agriculture Research Capstone
	Agriculture Research Capstone	Agriculture Research Capstone
	Agriculture Research Capstone	Agriculture Research Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Arts

Arts - Fine Art, Band, Choir		
Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	Intro to 2D Art, Choir, Band	Intro to 2D Art, Choir, Band
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	Art Elective, Band, Choir
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	*World Language III	*World Language III
	Art Elective, Band, Choir	Art Elective, Band, Choir
	Principles of Business Management^	Principles of Business Management^
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	Art, Choir, Band Capstone	Art, Choir, Band Capstone
	Work Based Learning Internship	Work Based Learning Internship
	Work Based Learning Internship	Work Based Learning Internship
	Work Based Learning Internship	Work Based Learning Internship
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Automotive & Marine

Automotive Collision Repair		
Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	IMPACT - ^Principles of Collision Repair	IMPACT - ^Principles of Collision Repair
	IMPACT - ^Automotive Body Repair	IMPACT - ^Automotive Body Repair
	IMPACT - ^Plastic Body Repair & Painting	IMPACT - ^Plastic Body Repair & Painting
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	IMPACT - Collision Repair Capstone	IMPACT - Collision Repair Capstone
	IMPACT - Collision Repair Capstone	IMPACT - Collision Repair Capstone
	IMPACT - Collision Repair Capstone	IMPACT - Collision Repair Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
#Additional dual credit courses are required to earn the Indiana College Core.		



Automotive Service



Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	IMPACT - ^Principles of Automotive Service	IMPACT - ^Principles of Automotive Service
	IMPACT - ^Brake Systems	IMPACT - ^Brake Systems
	IMPACT - ^Steering and Suspension	IMPACT - ^Steering and Suspension
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	IMPACT - Automotive Service Capstone	IMPACT - Automotive Service Capstone
	IMPACT - Automotive Service Capstone	IMPACT - Automotive Service Capstone
	IMPACT - Automotive Service Capstone	IMPACT - Automotive Service Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Automotive Service can earn one year credit towards ASE certification with two year program.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Marine Service Technology

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	IMPACT - Principles of Marine Service Tech	IMPACT - Principles of Marine Service Tech
	IMPACT - Inboard/Outboard Eng Diag	IMPACT - Inboard/Outboard Eng Diag
	IMPACT - Lower Unit/Drive Systems	IMPACT - Lower Unit/Drive Systems
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	IMPACT - Marine Service Technology Capstone	IMPACT - Marine Service Technology Capstone
	IMPACT - Marine Service Technology Capstone	IMPACT - Marine Service Technology Capstone
	IMPACT - Marine Service Technology Capstone	IMPACT - Marine Service Technology Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Marine Service Technology can earn Marine Industry certification with two year program.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Business

Business - Digital Design		
Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	Principles of Business Management^	Principles of Business Management^
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	IMPACT - ^Principles of Digital Design	IMPACT - ^Principles of Digital Design
	IMPACT - ^Digital Design Graphics	IMPACT - ^Digital Design Graphics
	IMPACT - ^Interactive Media Design	IMPACT - ^Interactive Media Design
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	Business Work Based Capstone	Business Work Based Capstone
	Business Work Based Capstone	Business Work Based Capstone
	Business Work Based Capstone	Business Work Based Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Business can earn MicroSoft and/or Google certifications.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Business Administration

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	Principles of Business Management[^]	Principles of Business Management[^]
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
	Marketing Fundamentals[^]	Marketing Fundamentals[^]
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC [^]
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC [^]	Algebra 2, Honors Algebra 2 or *PreCalculus/DC [^]
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC [^]	US History or US History DC [^]
Electives	Accounting Fundamentals[^]	Accounting Fundamentals[^]
Senior Year		
English/LA	English 12 or Eng Lit 206 DC [^]	English 12 or Speech SP203 DC [^]
Math	*PreCalculus/DC [^] , *Finite Math/DC [^] , *AP Stats or Business Math	*PreCalculus/DC [^] , *Finite Math/DC [^] , *AP Stats or Business Math
Social Studies	Government or Government DC [^]	Economics or AP Economics
Electives	*World Language III	*World Language III
	Business Administration Capstone	Business Administration Capstone
	Business Administration Capstone	Business Administration Capstone
	Business Administration Capstone	Business Administration Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
[^] DC - College Credit opportunity with local universities.		
NLPS Business can earn MicroSoft and/or Google certifications.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Business Entrepreneurship/New Ventures

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	World History or AP World History	World History or AP World History
	Principles of Entrepreneurship^	Principles of Entrepreneurship^
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	Health	
	New Venture Development^	New Venture Development^
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	Small Business Operation^	Small Business Operation^
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	Entrepreneurship and New Ventures Capstone	Entrepreneurship and New Ventures Capstone
	Entrepreneurship and New Ventures Capstone	Entrepreneurship and New Ventures Capstone
	Entrepreneurship and New Ventures Capstone	Entrepreneurship and New Ventures Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Business can earn MicroSoft and/or Google certifications.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Business - Marketing/Sales

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	Principles of Business Management[^]	Principles of Business Management[^]
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
	Marketing Fundamentals[^]	Marketing Fundamentals[^]
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC [^]
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC [^]	Algebra 2, Honors Algebra 2 or *PreCalculus/DC [^]
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC [^]	US History or US History DC [^]
Electives	Digital Marketing[^]	Digital Marketing[^]
Senior Year		
English/LA	English 12 or Eng Lit 206 DC [^]	English 12 or Speech SP203 DC [^]
Math	*PreCalculus/DC [^] , *Finite Math/DC [^] , *AP Stats or Business Math	*PreCalculus/DC [^] , *Finite Math/DC [^] , *AP Stats or Business Math
Social Studies	Government or Government DC [^]	Economics or AP Economics
Electives	*World Language III	*World Language III
	Business Marketing Capstone	Business Marketing Capstone
	Business Marketing Capstone	Business Marketing Capstone
	Business Marketing Capstone	Business Marketing Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
[^] DC - College Credit opportunity with local universities.		
NLPS Business can earn MicroSoft and/or Google certifications.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Business Accounting

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	Principles of Business Management[^]	Principles of Business Management[^]
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
	Accounting Fundamentals[^]	Accounting Fundamentals[^]
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC [^]
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC [^]	Algebra 2, Honors Algebra 2 or *PreCalculus/DC [^]
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC [^]	US History or US History DC [^]
Electives	Advanced Accounting[^]	Advanced Accounting[^]
Senior Year		
English/LA	English 12 or Eng Lit 206 DC [^]	English 12 or Speech SP203 DC [^]
Math	*PreCalculus/DC [^] , *Finite Math/DC [^] , *AP Stats or Business Math	*PreCalculus/DC [^] , *Finite Math/DC [^] , *AP Stats or Business Math
Social Studies	Government or Government DC [^]	Economics or AP Economics
Electives	*World Language III	*World Language III
	Business Administration Capstone	Business Administration Capstone
	Business Administration Capstone	Business Administration Capstone
	Business Administration Capstone	Business Administration Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
[^] DC - College Credit opportunity with local universities.		
NLPS Business can earn MicroSoft and/or Google certifications.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Computer Science

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	Principles of Computing	Principles of Computing
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
	Website and Database Development	Website and Database Development
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	Software Development	Software Development
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	Business Work Based Capstone	Business Work Based Capstone
	Business Work Based Capstone	Business Work Based Capstone
	Business Work Based Capstone	Business Work Based Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Business can earn MicroSoft and/or Google certifications.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Computer Networking

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	Principles of Computing	Principles of Computing
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
	Information Technology Fundamentals	Information Technology Fundamentals
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	Networking Fundamentals	Networking Fundamentals
	Networking Capstone	Networking Capstone
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	Networking Capstone	Networking Capstone
	Networking Capstone	Networking Capstone
	Networking Capstone	Networking Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Business can earn Computer Repair certifications.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Construction Trades

Construction Trades - Carpentry		
Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	IMPACT - ^Principles of Construction Trades	IMPACT - ^Principles of Construction Trades
	IMPACT - ^General Carpentry	IMPACT - ^General Carpentry
	IMPACT - ^Framing and Finishing	IMPACT - ^Framing and Finishing
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	IMPACT - Construction Trades Capstone	IMPACT - Construction Trades Capstone
	IMPACT - Construction Trades Capstone	IMPACT - Construction Trades Capstone
	IMPACT - Construction Trades Capstone	IMPACT - Construction Trades Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Construction Trades can earn CORE and Carpentry Level 1 certifications.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Construction Trades - HVAC

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	IMPACT - ^Principles of HVAC	IMPACT - ^Principles of HVAC
	IMPACT - ^HVAC Fundamentals	IMPACT - ^HVAC Fundamentals
	IMPACT - ^HVAC Service	IMPACT - ^HVAC Service
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	IMPACT - HVAC Capstone	IMPACT - HVAC Capstone
	IMPACT - HVAC Capstone	IMPACT - HVAC Capstone
	IMPACT - HVAC Capstone	IMPACT - HVAC Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
 NLPS Construction Trades - HVAC can earn one year towards apprenticeship training.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Cosmetology

Cosmotology			
Freshman Year			
English/LA	English 9 or Honors English 9	English 9 or Honors English 9	
Math	Algebra 1 or Geometry	Algebra 1 or Geometry	
Science	Biology I	Biology I	
Phys Ed/Health	PE I	PE II	
Electives	*World Language I	*World Language I	
	*Fine Arts credit		
Sophomore Year			
English/LA	English 10 or Honors English 10	English 10 or Honors English 10	
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2	
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics	
Social Studies	*World Language II	*World Language II	
Electives	World History or AP World History	World History or AP World History	
	Health	*Fine Arts credit	
Junior Year			
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^	
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	
Science	#Science Elective	#Science Elective	
Social Studies	US History or US History DC^	US History or US History DC^	
Electives	IMPACT - ^Principles of Barbering/Cosmotology	IMPACT - ^Principles of Barbering/Cosmotology	
	IMPACT - ^Barbering/Cosmotology Fund	IMPACT - ^Barbering/Cosmotology Fund	
	IMPACT - ^Advanced Cosmotology	IMPACT - ^Advanced Cosmotology	
Senior Year			
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^	
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	
Social Studies	Government or Government DC^	Economics or AP Economics	
Electives	*World Language III	*World Language III	
	IMPACT - ^Cosmotology II	IMPACT - ^Cosmotology II	
	IMPACT - ^Cosmotology II	IMPACT - ^Cosmotology II	
	IMPACT - ^Cosmotology II	IMPACT - ^Cosmotology II	
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD			
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.			
^DC - College Credit opportunity with local universities.			
NLPS Cosmotology can earn Cosmotology license upon successful completion of State Board Exam with 2 year program.			
#Additional dual credit courses are required to earn the Indiana College Core.			

Education

Education		
Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	^Principles of Teaching	^Principles of Teaching
	^Child and Adolescent Development	^Child and Adolescent Development
	^Teaching and Learning	^Teaching and Learning
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	^Education Professions Capstone	^Education Professions Capstone
	Education Professions Capstone	Education Professions Capstone
	Education Professions Capstone	Education Professions Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Law & Public Safety

Criminal Justice		
Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	^Principles of Criminal Justice	^Principles of Criminal Justice
	^Law Enforcement Fundamentals	^Law Enforcement Fundamentals
	^Corrections and Cultural Awareness	^Corrections and Cultural Awareness
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	Work Based Learning	Work Based Learning
	Work Based Learning	Work Based Learning
	Work Based Learning	Work Based Learning
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Criminal Justice are eligible to earn the Indiana County Jail Officer certification.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Fire and Rescue/EMR

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	*World Language III	*World Language III
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	^Fire and Rescue Capstone/EMR	^Fire and Rescue Capstone/EMR
	^Principles of Fire and Rescue	^Principles of Fire and Rescue
	^Fire Fighting Fundamentals	^Fire Fighting Fundamentals
	^Advanced Fire Fighting	^Advanced Fire Fighting
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Fire and Rescue/EMR are eligible to serve as a licensed firefighter and EMR		
#Additional dual credit courses are required to earn the Indiana College Core.		

Health Sciences

HEALTH - Nursing/CNA		
Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	*Fine Arts credit
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry	Chemistry
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	Intro to Health Careers
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	*Anatomy/Physiology/DC^	*Anatomy/Physiology/DC^
Social Studies	US History or US History DC^	US History or US History DC^
Electives	IMPACT - ^Principles of Health Science	IMPACT - ^Principles of Health Science
	IMPACT - ^Medical Terminology	IMPACT - ^Medical Terminology
	IMPACT - ^Healthcare Specialist - CNA	IMPACT - ^Healthcare Specialist - CNA
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	IMPACT - Healthcare Specialist Capstone	IMPACT - Healthcare Specialist Capstone
	IMPACT - Healthcare Specialist Capstone	IMPACT - Healthcare Specialist Capstone
	IMPACT - Healthcare Specialist Capstone	IMPACT - Healthcare Specialist Capstone
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Health Science offers Certified Nurse Assistant credential.		
#Additional dual credit courses are required to earn the Indiana College Core.		



HEALTH - Medical Careers

Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	*Fine Arts credit
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry	Chemistry
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	Intro to Health Careers
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	*Anatomy/Physiology/DC^	*Anatomy/Physiology/DC^
Social Studies	US History or US History DC^	US History or US History DC^
Electives	*World Language III	*World Language III
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives		*World Language III
	^Principles of Health Science	^Principles of Health Science
	^Medical Terminology	^Medical Terminology
	^Certified Clinical Medical Assistant	^Certified Clinical Medical Assistant
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Health Science offers Certified Medical Assistant certification along with clinical rotations		
#Additional dual credit courses are required to earn the Indiana College Core.		

Hospitality

Hospitality Management/Culinary Arts		
Freshman Year		
English/LA	English 9 or Honors English 9	English 9 or Honors English 9
Math	Algebra 1 or Geometry	Algebra 1 or Geometry
Science	Biology I	Biology I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	Nutrition and Wellness
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra 2 or Honors Algebra 2	Geometry, Algebra 2 or Honors Algebra 2
Science	Chemistry or Integrated Chem/Physics	Chemistry or Integrated Chem/Physics
Social Studies	*World Language II	*World Language II
Electives	World History or AP World History	World History or AP World History
	Health	*Fine Arts credit
Junior Year		
English/LA	English 11 or Honors Adv. Comp	English 11 or Eng 111 DC^
Math	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^	Algebra 2, Honors Algebra 2 or *PreCalculus/DC^
Science	#Science Elective	#Science Elective
Social Studies	US History or US History DC^	US History or US History DC^
Electives	^Principles of Culinary and Hospitality	^Principles of Culinary and Hospitality
	^Nutrition	^Nutrition
	^Hospitality Management	^Hospitality Management
Senior Year		
English/LA	English 12 or Eng Lit 206 DC^	English 12 or Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Business Math
Social Studies	Government or Government DC^	Economics or AP Economics
Electives	*World Language III	*World Language III
	Work Based Learning	Work Based Learning
	Work Based Learning	Work Based Learning
	Work Based Learning	Work Based Learning
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold are directly related to the pathway and must be taken to fulfill the CTE Pathway.		
^DC - College Credit opportunity with local universities.		
NLPS Hospitality Management earn the ServSafe certification.		
#Additional dual credit courses are required to earn the Indiana College Core.		

Angola University - Early College Program

Freshman Year		
English/LA	Honors English 9	Honors English 9
Math	Algebra I or Geometry	Algebra I or Geometry
Science	Biology I or Chemistry I	Biology I or Chemistry I
Phys Ed/Health	PE I	PE II
Electives	*World Language I	*World Language I
	*Fine Arts credit	*Fine Arts credit
Sophomore Year		
English/LA	English 10 or Honors English 10	English 10 or Honors English 10
Math	Geometry, Algebra II or Honors Algebra 2	Geometry, Algebra II or Honors Algebra II
Science	Chemistry or DC/AP Science Course	Chemistry or DC/AP Science Course
Social Studies	*World Language II	*World Language II
Electives	World History DC^	World History DC^
	Health	
Junior Year		
English/LA	Honors Adv. Comp	Eng 111 DC^
Math	Algebra II, Honors Algebra II or *PreCalculus/DC^	Algebra II, Honors Algebra II or *PreCalculus/DC^
Science	DC Science Course	DC Science Course
Social Studies	US History DC^	US History DC^
Electives	*World Language III	*World Language III
	Introduction to Psychology DC^	#Elective @ university
Senior Year		
English/LA	Eng Lit 206 DC^	Speech SP203 DC^
Math	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Calculus DC^	*PreCalculus/DC^, *Finite Math/DC^, *AP Stats or Calculus DC^
Social Studies	Government DC^	Economics DC^
Electives	*World Language IV AP	*World Language IV AP
	#Elective @ university	#Elective @ university
*Denotes a course that must be taken for Academic Honors Diploma. This would be other electives if NOT pursuing AHD		
Courses in bold must be taken to fulfill the Indiana College Core.		
^DC - College Credit opportunity with local universities.		
#Additional dual credit courses Can be earned towards an Associate degree.		

Students Four Year Plans will be based on the Career Pathway chosen. Course requirements for Core 40, Academic Honors, and Technical Honors diplomas are included in the Career Pathway maps.

Below is additional information that may be helpful in planning for future goals.

* Students may elect to take a semester of PE during each of their 9th and 10th grade years or may earn a PE I waiver.

**Courses marked can be substituted with dual credit or AP courses

MATH SEQUENCES – These are our typical high school math sequences.

Post-secondary

Goal	9 th grade	10 th grade	11 th grade	12 th grade
4 yr college	Geometry (Algebra in 8 th grade)	Honors Algebra II	Pre-Calculus**	Calculus** or Statistics
4 yr college; 2 yr college (math/science)	Algebra I	Geometry	Algebra II	Pre-Calculus** or Finite Math
2 yr college; vocational sch	Algebra	Geometry	Analytical Algebra II	Finite Math or Quant Reason course

SCIENCE SEQUENCES – These are our typical high school science sequences.

Post-secondary

Goal	9 th grade	10 th grade	11 th grade	12 th grade
4 yr college; 2 yr college (math/science)	Chemistry (Biology in 8 th Grade)	Physics or Additional Science	Additional Science (DC) or Elective	Dual Credit or Elective
2 yr college; vocational sch	Biology	Integrated Chemistry/Physics	Earth Space Science	Additional science or Elective

Angola High School provides its students with the most comprehensive list of Advanced Placement and dual credit course offerings in Steuben County. AHS has articulation agreements with Trine University, Ivy Tech Community College, and Indiana University granting dual credits in many different courses. In addition, AHS students may earn additional dual credits by taking courses on campus at Trine University.

COURSES AVAILABLE THAT MEET THE CORE 40 WITH ACADEMIC HONORS DIPLOMA ADVANCED PLACEMENT / DUAL CREDIT REQUIREMENTS:

Dual Credit and Advanced Placement (AP) Courses

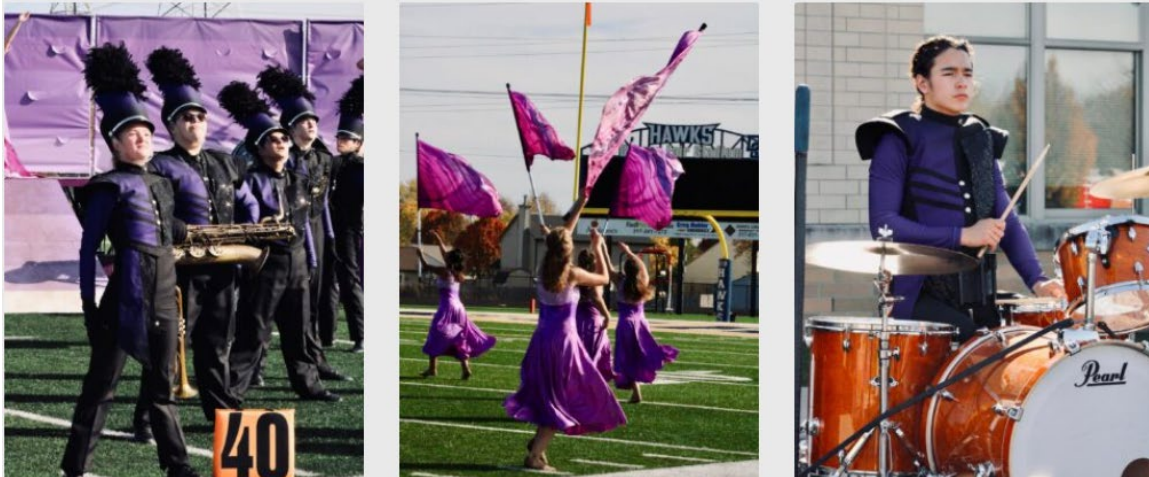
AP/DC Biology	AP/DC Physics 1 (Algebra-Based)
AP/DC Physics 2 (Algebra-Based)	AP Chemistry
DC Pre-Calculus	DC Calculus
DC English Composition	DC English Literature
DC Speech Communication	AP Statistics
DC US Government	AP/DC Microeconomics
AP/DC World History (Modern)	DC US History
DC Psychology	DC Sociology

Students who take Advanced Placement courses to meet this requirement **MUST** also take the AP exams for those courses. These tests are offered in May.

QUANTITATIVE REASONING COURSES

A quantitative reasoning (QR) course is a high school course that “advances a student’s ability to apply mathematics in real world situations and contexts” and “deepens a student’s understanding of high school mathematics standards” but is not a mathematics course.

- For the Core 40, Academics Honors (AHD), and Technical Honors (THD) diplomas, students must take a mathematic or quantitative reasoning course each year they are enrolled in high school.



BAND COURSES AT ANGOLA HIGH SCHOOL

Band and Dance students should sign up for the following courses in this manner:

Band students

Prd	1 st Semester	2 nd Semester
1	Adv Concert Band	*Advanced Concert Band
2	Instrumental Ensemble	*Intermediate Concert Band
3		Jazz Band (optional)

* Concert Band students are placed in either Advanced or Intermediate classes during spring semester. This is determined by the Band Instructor. All students should sign up for Advanced Concert Band and their schedule will be adjusted, if needed, later.

Dance students

Prd	1 st Semester	2 nd Semester
1	Dance Performance 1	
2	Dance Choreography 1	Dance Choreography 2

ATHLETIC ELIGIBILITY AT ANGOLA HIGH SCHOOL

Students who wish to participate in sports at Angola High School must follow the eligibility criteria established by the Indiana High School Athletic Association (IHSAA). These rules state that for student athletes to be eligible for athletic competition, they must have been enrolled in and have passed at least **five academic credits** during the previous grading period (semester grades take

precedence). In addition, they must also be presently enrolled in at least five credits during the current grading period.

Students considering participating in college athletics should consult the NCAA or NAIA Eligibility Centers for questions about required courses and credits – especially if pursuing dual credit opportunities while in high school.

Questions regarding athletic eligibility should be directed to the Athletic Director or the student's guidance counselor.

Dual Credit/Dual Enrollment Offerings



Trine University: Early College Program

Students enrolled in the Early College program earn dual (high school/college) credits while in high school. All courses are taught through a partnership with Trine University and may be delivered by AHS teachers, on campus by Trine instructors, or via an online course. A student who completes enough Trine credit hours will be awarded an Associate's Degree from Trine University IF he/she enrolls at Trine directly after high school graduation AND successfully completes one semester of coursework as a full-time, degree-seeking student.

Trine Dual Enrollment Experiences

Option 1 Campus Experience:

Students attend courses on campus just like any other student on campus

They also have direct access to our state-of-the-art library facilities, nicknamed The Link, as well as other resources located here on campus

The cost of this option is \$95 a credit hour

Option 2 - Asynchronous

Offered through our exceptional TrineOnline program.

Expect convenience and accessibility

Students will have access to all of the supports of the other programs & 24/7 access to academic tutors

Each course is taught asynchronously and is accessed through our online learning management system Moodle

This is a great opportunity for students who are homeschooled or if they are attending a high school that does not currently partner with Trine

This option costs \$50 per credit hour

Option 3 - Blended (Formerly known as guided experience)

The newest addition to Trine Dual Enrollment is the blended experience

Designed to allow a high school class to take the course together.

Students are enrolled in an online course with their fellow classmates, the local high school teacher will be supplementing student learning.

This option is for larger groups of 20 or more the cost for this online option drops to \$33 a credit hour



Angola High School's Early College program, Angola University, is designed to help students get a jump start on a college degree as students complete the Indiana College Core (ICC) and have the ability to complete an Associate's degree in General Studies which can include sophomore level courses in their intended major. In addition, students in the Early College attend many college visits and meet with college recruiters from a wide range of schools. The Angola University Early College Faculty serve as advisors to students ensuring academic supports are in place for students to succeed. Families have opportunities and assistance to support their child's academic success and prepare for post-secondary. After completing the ICC, students work with their advisors to select 10 additional courses from those listed below to earn an Associate's degree. Courses with an * are required courses for the Associate's.

**Speaking and
Listening
3 Credits**

Course	Credits	Provider/Cost
SP 203* Effective Speaking	3	Trine \$99

**Written
Communication
6 Credits**

Course	Credits	Provider/Cost
ENG 111* English Composition	3	Ivy Tech NO COST
ENG 215* Rhetoric and Argument	3	Ivy Tech NO COST

**Quantitative
Reasoning
3-13 Credits**

Course	Credits	Provider/Cost
MATH 135 Finite Math	3	Ivy Tech NO COST
MATH 136* College Algebra	3	Ivy Tech NO COST
MATH 137* Trig w/Analytic Geometry	3	Ivy Tech NO COST
MATH 211 Calculus I	4	Ivy Tech NO COST



Scientific Ways of
Knowing*
(must choose 1
with a lab)
3-12 Credits

Course	Credits	Provider/Cost
CH 104 General Chemistry I	4	Trine University \$132
CH 114 General Chemistry II	4	Trine University \$132
PH 154 College Physics I	4	Trine University \$132
PH 164 College Physics II	4	Trine University \$132
BIO 114 Principles of Biology I	4	Trine University \$132
BIO 124 Principles of Biology II	4	Trine University \$132
BIO 204 Fund Anatomy and Physiology I	4	Trine University \$132
BIO 224 Fund Anatomy and Physiology II	4	Trine University \$132

Social and
Behavioral Ways
of Knowing
9-15 Credits

Course	Credits	Provider/Cost
ECON 201 Macroeconomics	3	Ivy Tech (Online) \$700 or ICOMPLETE Scholarship (Free)
ECO 213* Microeconomics	3	Trine \$99
HIST 101* American History I	3	Ivy Tech NO COST
HIST 102* American History II	3	Ivy Tech NO COST
POLS 101* Amer. Gov. & Polit.	3	Ivy Tech NO COST
PSYC 101 Psychology	3	Ivy Tech NO COST
PHIL 102 Intro to Ethics	3	Ivy Tech (Online) \$700 or ICOMPLETE Scholarship (Free)
HIS 203 World Civilization I	3	Trine \$99
HIS 213 World Civilization II	3	Trine \$99



Agriculture

Course	Credits	Provider/Cost
AGRI 100 Intro to Agriculture	3	Ivy Tech NO COST
AGRI 103 Animal Science	3	Ivy Tech NO COST
AGRI 107 Adv Animal Science	3	Ivy Tech NO COST

Business

Course	Credits	Provider/Cost
ENTR 100 Entrepreneurial Foundation	3	Ivy Tech NO COST
ENTR 200 Entrepreneurial Mindset & Awareness	3	Ivy Tech NO COST
ENTR 105 Lean Marketing	3	Ivy Tech NO COST
ENTR 205 Foundations for Entrepreneurs	3	Ivy Tech NO COST
ENTR 215 New Venture Launch	3	Ivy Tech NO COST
ENTR 218 New Venture Launch	3	Ivy Tech NO COST
BUSN 101 Intro to Business	3	Ivy Tech NO COST
CINS 101 Intro to Microcomputers	3	Ivy Tech NO COST
BOAT 207 Integrated Microsoft Office	3	Ivy Tech NO COST
MKTG 101 Principles of Marketing	3	Ivy Tech NO COST
MKTG 102 Principles of Selling	3	Ivy Tech NO COST
MKTG 252 Intro to Digital Marketing	3	Ivy Tech NO COST
MKTG 257 Digital Marketing Mgt	3	Ivy Tech NO COST



Humanistic and
Artistic Ways of
Thinking*
(must choose 1)
Credits 3-15

Course	Credits	Provider/Cost
ARTH 110 Art Appreciation	3	Ivy Tech (Online) \$700 or ICOMPLETE Scholarship (Free)
ENGL 206 Intro. to Lit.	3	Ivy Tech NO COST
SPN 113 Spanish Reading & Writing	3	Trine \$99
SPN 123 Spanish II	3	Trine \$99
SPN 203 Spanish III	3	Trine \$99
SPN 213 Spanish III	3	Trine \$99
FREN 201/AP French III	3	Ivy Tech / College Board NO COST / \$98
FREN 202/AP French IV	3	Ivy Tech / College Board NO COST / \$98

ITCC Institutional
Requirements
2 Credits

Course	Credits	Provider/Cost
IVYT 111* Student Success in Univarsity Transfer	1	Ivy Tech NO COST
GENS 279* General Studies Capstone Course	1	Ivy Tech NO COST



Associate's of
Business
Administration

Requires
Completion of
ICC
All Courses
Marked with *
All Course
Marked with a +
Must Take 2 of 3
Scientific Ways of
Knowing Courses
Mark with ^

Course	Credits	Provider/Cost
BUSI 279+ School of Bus Eval and PD	3	All Courses in this Section
ACCT 101+ Financial Accounting	3	
ACCT 102+ Managerial Accounting	3	Ivy Tech (Online) \$700 each or ICOMplete Scholarship (Free for one or two courses)
BUSN 201+ Business Law	3	
BUSN 207+ Intro to Int'l Business	3	
BUSN 230+ Business Statistics	3	
BOAT 216+ Business Communications	3	

Associate's of
General Studies

Requires
Completion of ICC
All Courses
Marked with *

**A TOTAL OF
60 CREDITS**

AHS COURSES

Please note:

- Courses with **A&B** below the course number are two semester courses. Students must sign up for both semesters unless they have taken it before and passed one semester.
- Courses without a letter after the course number are regular and one-semester courses.
- Courses with an **H** after the course number are honors courses and may have additional requirements.
- Courses with other letters after the course are usually dual credit courses.
- Art courses (all semester courses) with an **A** after the course number are advanced courses.
- **Students should read the NOTES section below when selecting courses.**

CRS #	COURSE NAME	YEARS	LENGTH	NOTES
AGRICULTURE				
7117 A&B	Principles of Agriculture A & B (dual credit)	9-11	2 sems	
5008 A&B	*Animal Science A & B (dual credit)	10-12	2 sems	Must have taken 7117 first
5070 A&B	*Adv Life Science, Animals A & B (may be used for Science credit, any diploma) (dual credit)	11-12	2 sems	Must have taken 5008 first
5262 A&B	Agriculture Research Capstone	12	2 sems	Must have taken Pathway sequence – 3 periods
	#May be taken for the 3 rd year of science credit for any of the Core 40 diplomas.			
BUSINESS, MARKETING, & INFORMATION TECHNOLOGY				
4562 A&B	Principles of Business Management A & B (dual credit)	9-11	2 sems	
7143 A&B	Management Fundamentals A & B (dual credit)	10-12	2 sems	Can be taken with 4562 and 4524
5914 A&B	Marketing Fundamentals A & B (dual credit)	10-12	2 sems	Must have 4562 first
7145 A&B	Digital Marketing A & B (dual credit)	10-12	2 sems	Must have 5914 first or concurrently
4524 A&B	Accounting Fundamentals A & B (dual credit)	10-12	2 sems	Must have 4562 first
4522 A&B	Advanced Accounting A & B (dual credit)	11-12	2 sems	Must take 4562 and 4524 first
4512 A&B	Business Math A & B	10-12	1-2 sems	Must take Alg I 2520 first
7154 A&B	Principles of Entrepreneurship A & B (dual credit)	9-1S2	2 sems	
7148 A&B	New Venture Development A & B (dual credit)	10-12	2 sems	Must be taken with or following 7154
7147 A&B	Small Business Operations A & B (dual credit)	11-12	2 sems	Must be taken with or following 7148
7183 A&B	Principles of Computing A & B (dual credit)	9-12	2 sems	
7185 A&B	Website and Database Development A & B	10-12	2 sems	Must have 7183 first
7184 A&B	Software Development	11-12	2 sems	Must have 7185 first or concurrently
7180 A&B	Information Technology Fundamentals	10-12	2 sems	Must have 7183 first
7182 A&B	Networking Fundamentals	11-12	2 sems	Must have 7183 first and 7180 or concurrently
7251 A&B	Networking Capstone	11-12	2 sems, 1-3 periods	Must have 7183 first, 7180 and 7182 first or concurrently
7252 A&B	Accounting Capstone	12	2 sems	Must have taken Pathway sequence – 3 periods
7256 A&B	Business Administration Capstone	12	2 sems	Must have taken Pathway sequence – 3 periods

ENGINEERING AND TECHNOLOGY				
4796 A&B	Introduction to Advanced Manufacturing and Logistics	9	1 sem	
7220 A&B	Principles of Industry and Digital Manufacturing A & B (dual credit)	10-12	2 sem	
4728 A&B	Robotics Design and Innovation Technology A & B (dual credit)	11-12	2 sems	Must be taken with or following 7220
7100 A&B	Digital Manufacturing Systems A & B (dual credit)	11-12	2 sems	Must be taken with or following 7220 and 4728
ENGLISH				
1002 A&B	English 9 A & B	9	2 sems	
1002H A&B	Honors English 9: A & B	9	2 sems	Teacher recommendations and grade of B- or above
1004 A&B	English 10 A & B	10	2 sems	Must take 1002 first
1004H A&B	Honors English 10: A & B	10	2 sems	English 9 grade of B- or above, teacher recommendation
1006 A&B	English 11 A & B	11	2 sems	Must take 1004 first
1008 A&B	English 12 A & B	12	2 sems	Must take 1006 first
1098 A&B	Adv. Composition Honors	11	1 sem	Can replace 1006 grade of B- or above, teacher recommendation
1124	Adv Eng CC: SP 203 Speech Communication (Blended learning dual credit through Trine)	11-12	1 sem	Can replace 1006 or 1008
1124	Adv Eng CC: ENGL 111 English Composition (Dual credit through ITCC)	11-12	1 sem	Can replace 1006 or 1008
1124	Adv Eng CC: ENGL 206 Introduction to Literature (Dual credit through ITCC)	11-12	1 sem	Can replace 1006 or 1008, must take W111 first
1124	Adv Eng CC: ENGL 233 American Literature After 1865	12	1 sem	Can replace 1006 or 1008, must take W111 first
1010 A&B	Language Arts Lab A & B	9-12	Up to 4 sems	Must have an IEP/ILP; counts as an elective; taken with an English class
1086 A&B	Student Media A & B (can be used to fulfill Fine Arts credit for honors diploma)	9-12	2 sems	
ENGLISH AS A NEW LANGUAGE				
1012 A&B	English as a New Language	Levels 1-4	Up to 4 sems	Must have an ILP; counts for English Credit; up to 8 credits
FAMILY AND CONSUMER SCIENCE				
5342	Nutrition and Wellness	9-10	1 sem	
7173 A&B	*Principles of Culinary and Hospitality A & B (dual credit)	9-12	2 sems	Must be enrolled in all three courses concurrently
7171 A&B	*Nutrition A & B (dual credit)	10-12	2 sems	
7172 A&B	*Hospitality Management A & B (dual credit)	10-12	2 sems	
EDUCATION & TRAINING				
7161 A&B	Principles of Teaching A & B (dual credit)	10-12	2 sems	Must be enrolled in all three courses concurrently
7157 A&B	Child and Adolescent Development A & B (dual credit)	11-12	2 sems	
7162 A&B	Teaching and Learning A & B (dual credit)	11-12	2 sems	
FINE ARTS				
	Art			
4000	Introduction to 2D Art	9-12	1 sem	
4004	Advanced 2D Art	9-12	1 sem	Must take 4000 first

4040	Ceramics	10-12	1 sem	
4040A	Ceramics II	11-12	1 sem	Must take 4040 first
4040	Ceramics, Independent Study	11-12	1 sem	Must take 4040A first & have teacher approval
4044	Sculpture	9-12	1 sem	
4044	Sculpture, Independent Study	9-12	1 sem	Must take 4044 first & have teacher approval
4060	Drawing	10-12	1 sem	Must take 4000 & 4004 first
4060	Drawing, Independent Study	10-12	1 sem	Must take 4060 first & have teacher approval
4062	Photography	9-12	1 sem	Must take 4000 first
4062	Photography, Independent Study	10-12	1 sem	Must take 4062 first & have teacher approval
4064	Painting	10-12	1 sem	Must take 4000 & 4004 first
4064	Painting, Independent Study	10-12	1 sem	Must take 4064 first & have teacher approval
Music/Theatre				
4142 A&B	Dance Choreography A & B	9-12	2 sems	Spring audition; taken w/ 4164
4164	Dance Performance	9-12	1 sem	Spring audition; taken w/ 4142 A & B
4162	Instrumental Ensemble	9-12	1 sem	Must be in 4170
4164	Jazz Ensemble	9-12	1 sem	Fall audition
4168	Intermediate Concert Band	9-12	1 sem	Summer Band
4170	Adv Concert Band	9-12	2 sems	Summer Band
4186	Intermediate Choir	9-12	2 sems	
4188	Advanced Choir	9-12	2 sems	Spring audition
4206	Music History & Appreciation	9-12	1 sem	
4208	Music Theory & Composition	9-12	1 sem	
4244	Technical Theatre	9-12	1 sem	
4242	Theatre Arts	9-12	1 sem	
4250	Advanced Acting	9-12	1 sem	Must take 4242 first, Audition required
HEALTH AND WELLNESS				
3506	Health & Wellness Education	9-10	1 sem	
3508	Current Health Issues	10-12	1 sem	Must take 3506 first
HEALTH SCIENCES				
5272	Introduction to Health Science Careers	9-10	1 sem	Must be enrolled in all three courses concurrently
7168	Principles of Healthcare (dual credit)	12	2 sems	
5274	Medical Terminology (dual credit)	12	2 sems	
7164	Certified Clinical Medical Assistant (CCMA) (dual credit)	12	2 sems	
7255	Health Careers Capstone	12	2 sems	Enrolled as part of this program
MATHEMATICS				
2516 A&B	Algebra Lab (counts as an elective)	9-12	1-8 sems	Must be taken with Algebra I
2520 A&B	Algebra I A & B	9-12	2 sems	
2522 A&B	Algebra II A & B	9-12	2 sems	Must take 2520 first

2524 A&B	Analytical Algebra II A & B	11-12	2 sems	Must take 2520, 2532 first. Course designed for students not going to college
2522H A&B	Honors Algebra II A & B	9-10	2 sems	Must take 2520 first
2530 A&B	Finite Mathematics A & B (Dual credit through ITCC)	10-12	2 sems	Must take 2522 first
2532 A&B	Geometry A & B	9-12	2 sems	Must take 2520 first
2532H A&B	Honors Geometry A & B	9	2 sems	Must take 2520 first
2544 A&B	Adv Math CC: MA 136 (3 cr) & 137 (3 cr) Pre- Calculus/Trig A & B (Dual Credit through ITCC)	10-12	2 sems	Must take 2522 first; Ivy Tech requirements
2544 C&D	Adv Math CC: MA 165 (4 cr) (Dual credit through ITCC)	11-12	2 sems	Must take Pre-Calc first
2570 A&B	AP Statistics A & B	11-12	2 sems	Must take 2522 first
MULTIDISCIPLINARY				
0500	Basic Skills Development A	9-12	1 sem	Must have an IEP/ILP
0500	Basic Skills Development B	9-12	1 sem	Must have an IEP/ILP
0532	College Entrance Preparation	10-11	1 sem	
8001	Academic Lab A	9-12	1 sem	Does NOT earn credit
8002	Academic Lab B	9-12	1 sem	Does NOT earn credit
PHYSICAL EDUCATION				
3542A	Physical Education I (Adaptive)		1 sem	Must have an IEP or 504 plan
3542SA	*Physical Education I Strength	9-10	1 sem	
3542	*Physical Education I	9-10	1 sem	
3542SB	*Physical Education II Strength	9-10	1 sem	
3544A	Physical Education II (Adaptive)			Must have an IEP or 504 plan
3544	Physical Education II	9-10	1 sem	
3560F	Elective Physical Education I-Strength & Agility (Fall)	10-12	1 sem	Must take 3542 & 3544 first
3560S	Elective Physical Education II- Strength & Agility (Spring)	10-12	1 sem	Must take 3542 & 3544 first
	*PE I can be earned with a PE waiver through participation in band or sports [see Mr. Myers (band) or Mr. Lantz (sports)]			
SCIENCE				
3024 A&B	Biology I A & B	9-12	2 sems	
3044 A&B	Earth Space Science I A & B	10-12	2 sems	Must take 3024 & 1 math course first
3064 A&B	Chemistry I A & B	9-12	2 sems	Must take 3024 & 2520 first
3090 A&B	Adv Sci CC: Bio 114/124 (dual credit through Trine)	11-12	2 sems	Must take 3024 & 3064 first; Ivy Tech requirements
3060 A&B	AP Chemistry	11-12	2 sems	Must take 3064 first
3090 A&B	Adv Sci CC: CH 104/114 (dual credit through Trine)	11-12	2 sems	Must take 3024 & 3064 first;
3080 A&B	AP Physics	11-12	2 sems	Must take 3024 & 3064 first
3090 A&B	Adv Sci CC: PH 154/164 (dual credit through Trine)	11-12	2 sems	Must take 3024 & 3064 first;
3108 A&B	Integrated Chemistry & Physics A & B	9-12	2 sems	Must take 3024 first

5276 A&B	Anatomy & Physiology	11-12	2 sems	Must take 3024 first; 3064 recommended
3090TR A&B	Anatomy & Physiology (Blended learning dual credit through Trine)	11-12	2 sems	Must take 3024 & 3064 first, recommended for health career students
SOCIAL STUDIES				
1548 A&B	World History/Civilization A & B	9-12	2 sems	
1574WHT A&B	Adv. Soc Stu CC: World Civ I & II A & B (Meets the requirement for World History/Civilization 1548; Blended learning through Trine University)	9-12	2 sems	
1542 A&B	U S History A & B	11-12	2 sems	
1574 A&B	Adv SS,CC: Surv Am His IA 101/102 (Meets requirement for US History; earns dual credit from ITCC)	11	2 sems	Ivy Tech requirements
1514	Economics	12	1 sem	
1574TE	Adv. Soc St CC: Econ 213 (Meets the requirement for Economics 1514, Blended learning dual credit through Trine)	12	1 sem	
1540	US Government	12	1 sem	
1574 C	Adv Soc St CC: Govt: POLS 101 (Meets requirement for US Government; earns dual credit from ITCC)	12	1 sem	Ivy Tech requirements
1574 D	Adv Soc St CC: Intro Psych 101 (earns dual credit from ITCC)	11-12	1 sem	Ivy Tech requirements
1574 E	Adv Soc St CC: SOCI 111 Intro to Sociology (earns dual credit from ITCC)	11-12	1 sem	Ivy Tech requirements
1574	Adv Soc St CC: World Politics POLS 211 (earns dual credit from ITCC)	11-12	1 sem	Ivy Tech requirements
1516	Ethnic Studies	9-12	1 sem	
1518	Indiana Studies	9-12	1 sem	
IMPACT INSTITUTE				
7220, 4728, 7100 A&B	Industry 4.0 Smart Technology A & B (IMPACT)	11-12	2 sems	3 prds; completed application
7222 A&B	Industry 4.0 Smart Technology Capstone A & B (IMPACT)	12	2 sems	3 prds; completed application
7105, 7107, 7109 A&B	Precision Machining A & B (IMPACT)	11-12	2 sems	3 prds; completed application
7219 A&B	Precision Machining Capstone A & B (IMPACT)	12	2 sems	3 prds; completed application
7101, 7110, 7111 A&B	Welding Technology A & B (IMPACT)	11-12	2 sems	3 prds; completed application
7226 A&B	Welding Technology Capstone A & B (IMPACT)	12	2 sems	3 prds; completed application
7130, 7123, 7122 A&B	Construction Trades A & B (IMPACT)	11-12	2 sems	3 prds; completed application
7242 A&B	Construction Trades Capstone A & B (IMPACT)	12	2 sems	3 prds; completed application
7131, 7125, 7126 A&B	HVAC A & B (IMPACT)	11-12	2 sems	3 prds; completed application
7244 A&B	HVAC Capstone A & B (IMPACT)	12	2 sems	3 prds; completed application

7213, 7205, 7212 A&B	Auto Services A & B (IMPACT)	11-12	2 sems	3 prds; completed application
7375 A&B	Auto Services Capstone A & B (IMPACT)	12	2 sems	3 prds; completed application
7215, 7204, 7206 A&B	Auto Collision Repair A & B (IMPACT)	11-12	2 sems	3 prds; completed application
7380 A&B	Auto Collision Repair Capstone A & B (IMPACT)	12	2 sems	3 prds; completed application
7140, 7141, 7138 A&B	Digital Design A & B (IMPACT)	11-12	2 sems	3 prds; completed application
7246 A&B	Digital Design Capstone A & B(IMPACT)	12	2 sems	3 prds; completed application
7330- 7332 A&B	Cosmetology A & B (IMPACT)	11	2 sems	3 prds; completed application
7334 A&B	Cosmetology Capstone A & B (IMPACT)	12	2 sems	3 prds; completed application
7168, 5274, 7166 A&B	Pre-Nursing A & B (IMPACT)	11 or 12	2 sems	3 prds; completed application
7193, 7191, 7188 A&B	Criminal Justice A & B (ANGOLA PD)	11 or 12	2 sems	3 prds; completed application
7392, 7393, 7394 A&B	Marine ServiceTechnology A & B (IMPACT)	11-12	2 sems	3 prds; completed application
5844 A&B	Marine Service Technology Capstone A & B (IMPACT)	12	2 sems	3 prds; completed application
7195 A&B	Principles of Fire Fighting A & B(Angola)	12	2 sems	3 prds: completed application
7189 A&B	Fire Fighting Fundamentals A & B (Angola)	12	2 sems	3 prds; completed application
7186 A&B	Advanced Fire Fighting A & B (Angola)	12	2 sems	3 prds: completed application
7229 A&B	Fire Fighting/EMT Capstone A & B (Angola)	12	2 sems	Concurrent enrollment w/above
7386, 7387, 7388 A&B	Commercial Driver A & B	12	2 sems	3 prds; completed application
WORK-BASED LEARNING				
6162C A&B	Cooperative Education-Class A & B	12	2 sems	1 prd; completed application
6162W A&B	Cooperative Education-Work A & B	12	2 sems	2 prds; completed application
0530 A&B	Career Exploration Internship	11-12	1-2 sems	3 prds; completed application
0522	Career Information & Exploration	9-12	1 sem	Must have an IEP
WORLD LANGUAGE				
2020 A&B	French I A & B	9-12	2 sems	
2022 A&B	French II A & B	10-12	2 sems	Must take 2020 first
2120 A&B	Spanish I A & B	9-12	2 sems	
2122 A&B	Spanish II A & B	10-12	2 sems	Must take 2120 first

2124 A&B	Spanish III A & B	11-12	2 sems	Must take 2122 first
2126 A&B	Spanish IV A & B	12	2 sems	Must take 2124 first
2152 A&B	French III A & B	11-12	2 sems	Must take 2022 first; Ivy Tech requirements
2152 C&D	AP French IV A & B	12	2 sems	Must take 2152D A&B first; Ivy Tech requirements

COURSE DESCRIPTIONS BY DEPARTMENT (ALPHABETICAL)

AGRICULTURE

7117 Principles of Agriculture

2 semesters 2 credits Grades 9-11

Principles of Agriculture is a two semester course that will cover the diversity of the agricultural industry and agribusiness concepts. Students will develop an understanding of the role of agriculture in the United States and globally. Students will explore Agriculture, Food, and Natural Resource (AFNR) systems related to the production of food, fiber and fuel and the associated health, safety and environmental management systems. Topics covered in the course range from animals, plants, food, natural resources, ag power, structures and technology, and agribusiness. Participation in FFA and Supervised Agricultural Experiences (SAE) will be an integral part of this course in order to develop leadership and career ready skills. **This course may be taken for dual credit from Ivy Tech Community College.**

5008 Animal Science

2 semesters 2 credits Grades 10-12

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

5070 Advanced Life Science, Animals

2 semesters 2 credits Grades 11-12

Prerequisite: Biology and Integrated Chemistry-Physics or Chemistry

ALS, Animals may be used to meet science requirements of any diploma. Advanced Life Science: Animals is a two-semester course that provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to history and trends in animal agriculture as related to animal welfare, husbandry, diseases and parasites, laws and practices relating to handling, housing, environmental impact, global sustainable practices of animal agriculture, genetics, breeding practices, biotechnology uses, and comparative knowledge of anatomy and physiology of animals used in animal agriculture. **This course may be taken for dual credit from Ivy Tech Community College.**

BUSINESS, MARKETING, INFORMATION EDUCATION AND ENTREPRENEURSHIP

4562 Principles of Business Management A & B

2 semesters 2 credits Grades 9-11

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

7143 Management Fundamentals

2 semesters 2 credits Grades 10-12 Must have **4562** first. Can be taken with Accounting Fundamentals

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

legal aspects of property ownership, structures of business ownership, and agency relationships. **This course may be taken for dual credit from Ivy Tech Community College.**

5914 Marketing Fundamentals

2 semesters 2 credits Grades 10-12 Must have **4562** first

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

7145 Digital Marketing

2 semesters 2 credits Grades 11-12 Must have **5914** first

Digital Marketing provides an introduction to the world of e-commerce and digital marketing media. The course covers how to integrate digital media and e-commerce into organizational and marketing strategy. Students will explore e-commerce applications and the most popular digital marketing tactics and tools. Emphasizes familiarity with executing digital media, understanding the marketing objectives that digital media can help organizations achieve, and establishing and enhancing an organization's digital marketing presence.

4524 Accounting Fundamentals

2 semesters 2 credits Grades 10-12 Must have **4562** first

Prerequisite: Principles of Business Management

Accounting Fundamentals is a business finance course that introduces principles and procedures for double entry accounting with emphasis on accounting principles as they relate to both manual and "automated" financial systems. This course will involve the recording of business transactions and preparing, analyzing and interpreting financial reports as a basis for decision making. Instructional strategies include the use of computers, projects and simulations to apply accounting theories and principles. **This course may be taken for dual credit from Ivy Tech Community College.**

4522 Advanced Accounting

2 semesters 2 credits Grades 11-12 Must take **4562** and **4524** first

Prerequisite: Principles of Business Management, Accounting Fundamentals

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. **This course may be taken for dual credit from Ivy Tech Community College.**

7154 Principles of Entrepreneurship

2 semesters 2 credits Grades 9-12

Principles of Entrepreneurship focuses on students learning about their own strengths, character and skills and how their unique abilities can apply to entrepreneurship, as well as how an entrepreneurial mindset can serve them regardless of their career path. Students will learn about the local, regional and state resources and will begin to understand and apply the entrepreneurial process. The course helps students to identify and evaluate business ideas while learning the steps and competencies required to launch a successful new venture. **This course may be taken for dual credit from Ivy Tech Community College.**

7148 New Venture Development

2 semesters 2 credits Grades 10-12 Must be taken with or following **7154**

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

7147 Small Business Operations

2 semesters 2 credits Grades 11-12 Must be taken with or following **7148**

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

7183 Principles of Computing A & B

2 semesters 2 credits Grades 9-10

Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. The course will begin by exploring trends of computing and the necessary skills to implement information systems. Topics include operating systems, database technology, cybersecurity, cloud implementations and other concepts associated with applying the principles of good information management to the organization. Students will also have the opportunity to utilize basic programming skills to develop scripts designed to solve problems. **This course may be taken for dual credit from Ivy Tech Community College.**

7185 Website and Database Development

2 semesters 2 credits Grades 10-11 Must have **7183** first
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 Web sites 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. Students will develop a business application using database software such as Microsoft Access.

7184 Software Development

2 semesters 2 credits Grades 11-12 Must have taken with or following **7185**
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 311 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 different programming languages, and students will develop and test working programs in an integrated system.

4568 AP Computer Science Principles A & B

2 semesters 2 credits Grades 11-12 Must have **7351** first
The AP Computer Science course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines such as using computational tools to analyze and study data as well as work with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspect of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss and write about the impact these solutions could have on their community, society, and world. **This course may be taken for dual credit from Ivy Tech Community College.**

7180 Information Technology Fundamentals A & B

2 semesters 2 credits Grades 10-12 Must have **7183** first
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, and properly and safely diagnose, resolve, and document common hardware and software issues while applying troubleshooting skills. Students will also learn appropriate customer support, and understand the basics of virtualization, desktop imaging, and deployment. This course should also prepare students for the CompTia A+ Certification Exam.

7182 Networking Fundamentals A & B

2 semesters 2 credits Grades 11-12 Must have **7183** first and **7180** first or concurrently
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 also 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 professional who supports 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.

7251 Networking Capstone

2 semesters 1-3 credits per semester Grades 11-12 Must have **7183** first and **7180/7182** first or concurrently
Networking Capstone includes hands-on lab work, and a wide array of assessment types and tools. The course covers the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. Students learn how to configure and troubleshoot routers and switches for advanced functionality using security best practices and resolve common issues with protocols in both IPv4 and IPv6 networks. The course also emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

4512 Business Math A & B

2 semesters 2 credits Grades 10-12
Prerequisite: Algebra I
Business Math is a business course designed to develop the ability to solve real world problems in order to become productive citizens and workers in a technological society. Problem-solving applications are as follows: taxation, saving and investing, payroll records, cash management, financial statements, credit management, purchases, sales, inventory and depreciation. This course is not intended for students pursuing four year college.

7256 Business Administration Capstone

2 semesters 6 credits Grades 11-12 **Must have taken the Business CTE Pathway courses**
The Business Administration Capstone course will allow students to explore advanced topics in business leadership including Human Resources and International Business. Additionally students will have the chance to complete

Managerial Accounting. Throughout the course students will develop business communication skills through work on projects, labs, and simulations. All of these courses represent key business competencies required by nearly all postsecondary Business schools.

7252 Accounting Capstone

2 semesters 6 credits Grades 11-12 **Must have taken the Business CTE Pathway courses**
The Accounting Capstone course will emphasize Managerial Accounting concepts and Income Tax Accounting for individuals and sole proprietorships. Topics include general versus cost accounting systems, cost behavior, cost-volume profit analysis, budgeting, standard cost systems, responsibility accounting, incremental analysis, and capital investment analysis. Offers an overview of federal and state income tax law for individuals including taxable income, capital gains and losses, adjustments, standard and itemized deductions, tax credits and appropriate tax forms. When offered for multiple credits per semester, the Accounting Capstone may be used to provide students the opportunity to participate in an intensive work-based learning experience and/or to complete additional coursework in using spreadsheets to solve accounting cases and to complete a postsecondary credential from ITCC or VU.

EDUCATION & TRAINING

7161 Principles of Teaching A & B

2 semesters 2 credits Grades 10-12 **Must be taken with 7157 and 7162**
This course provides a general introduction to the field of teaching. Students will explore educational careers, teaching preparation, and professional expectations as well as requirements for teacher certification. Current trends and issues in education will be examined. A minimum 20-hour class. **This course may be taken for dual credit from Ivy Tech Community College.**

7157 Child and Adolescent Development A & B

2 semesters 2 credits Grades 11-12 **Must be taken with 7161 and 7162**
Child and Adolescent Development examines the physical, social, emotional, cognitive, and moral development of the child from birth through adolescence with a focus on the middle years through adolescence. Basic theories of child development, biological and environmental foundations of development, and the study of children through observation and interviewing techniques are explored. The influence of parents, peers, the school environment, culture and the media are discussed. An observation experience up to 20 hours may be required for completion of this course. This course has been approved to be offered for dual credit. Students pursuing this course for dual credit are still required to meet the minimum prerequisites for the course and pass the course with a C or better in order for dual credit to be awarded. **This course may be taken for dual credit from Ivy Tech Community College.**

7162 Teaching and Learning A & B

2 semesters 2 credits Grades 11-12 **Must be taken with 7161 and 7157**
Teaching and Learning provides students the opportunity to apply many of the concepts that they have learned throughout the Education Professions pathway. In addition to a focus on best practices, this course will provide an introduction to the role that technology plays in the modern classroom. Through hands-on experience with educational software, utility packages, and commonly used microcomputer hardware, students will analyze ways to integrate technology as a tool for instruction, evaluation, and management. **This course may be taken for dual credit from Ivy Tech Community College.**

7267 Education Professions Capstone

2 semesters 6 credits Grade 12 **Must have taken the Education CTE Pathway courses**
The Education Professions Capstone provides an extended opportunity for field experience to further apply concepts that have been presented throughout the pathway. Students will also have the opportunity to explore the topics of exceptional child and literacy development through children's literature. Students will gain a deeper understanding of inclusive teaching techniques along with policies, theories, and laws related to special education. Students interested in pursuing a career in Elementary Education are encouraged to also study the benefits of using children's literature in the classroom. This course may be further developed to include specific content for students interested in pursuing a career in secondary education. The course should include a significant classroom observation and assisting experience.

ENGINEERING AND TECHNOLOGY EDUCATION

7220 Principles of Industry 4.0 and Digital Manufacturing

2 semesters 2 credits Grades 9-12
Principles of Industry 4.0 introduces students to the Industrial Internet of Things (IIoT). Students will explore Industry 4.0 technologies such as artificial intelligence (AI), human-to-robot collaboration, big data, safety, electrical, sensors, digital integration, fluid power, robot operation, measurement, CAD, CNC, additive manufacturing, print reading, and technical mathematics. Students will complete hands-on labs, virtual simulations, projects, and critical thinking assignments to help prepare for SACA C-101 Certified Industry 4.0 Associate I - Basic Operations Certification Exam.

4728 Robotics Design and Innovation

2 semesters 2 credits Grades 9-12 **Must be taken with or following 7220**
The Robotics Design and Innovation course introduces students to technological innovations that are revolutionizing modern manufacturing and logistic centers across global markets. Students will explore careers that are related to the fourth industrial revolution and be introduced to the emerging technologies that make the manufacturing world ever changing. These technologies include; mechatronics, CAD/CAM, robots, programmable automation, cloud technologies, networking, big data and analytics. Students will design a part to be mass-produced using processes such as additive and subtractive manufacturing, while utilizing lean manufacturing concepts. The course will prepare students for the SACA, C-102 Certified Industry 4.0 Associate.

7100 Smart Manufacturing Systems

2 semesters 2 credits Grades 9-12 Must be taken with or following **7108 and 7103**
 Smart Manufacturing Systems focuses on the electrical system that supports the Industry 4.0 manufacturing system and builds on skills learned in Principles of Industry 4.0 and Robotics Design and Innovation. Topics include Industry 4.0 technologies such as data analytics, cyber security, and smart sensors. Students will work on a 4-6 student team to build a working prototype of an Industry 4.0 system. Highlights include: variable-frequency drives, Programming Logic Controller (PLC) troubleshooting, cyber security, smart sensors, and smart network communications.

7222 Industry 4.0 - Smart Manufacturing Capstone

2 semesters 6 credits Grades 12 **Must have taken CTE Pathway courses**

Industry 4.0 - Smart Manufacturing Capstone introduces the basic theory, operation, and programming of industrial robots and their applications through simulations and hands-on laboratory activities. Basic theory, operation, and programming of Programmable Logic Controllers (PLC) will be emphasized in this course along with how automation devices may be integrated with other machines. Multiple industry standard certifications in the field of robotics and automation will be available depending on the length of the course. As a capstone course, students are encouraged to participate in an intensive, embedded work-based learning experience.

ENGLISH/LANGUAGE ARTS
ENGLISH

1002 English 9 A & B

2 semesters 2 credits Grade 9

English 9 will concentrate on writing, reading, and speaking skills. Writing instruction will deal with grammar, sentence structure, and paragraph composition. Students will deliver oral presentations. Reading instruction will include vocabulary development and reading comprehension in fiction and non-fiction. Writing assignments are required each grading period.

Students who successfully complete the course and the project-based component will satisfy Bucket 2 of the Graduation Pathways diploma requirements.

1002H English 9, Honors A & B

2 semesters 2 credits Grade 9

Prerequisite: an earned grade of B- or better in English 8 OR AMS teacher recommendation

This course is designed for academically talented students. This class will require more skills and creative thinking and be more challenging than regular English 9. Grammar and usage skills will be compacted. Advanced composition, literature, and language study will give the students greater opportunities for academic advancement that they would have in regular English classes.

Students who successfully complete the course and the project-based component will satisfy Bucket 2 of the Graduation Pathways diploma requirements.

1004 English 10 A & B

2 semesters 2 credits Grade 10

Prerequisite: English 9

English 10 will concentrate on writing, speaking, and reading skills. Writing instruction will concentrate on spelling, outlining, paragraphs, and short compositions. Students will deliver oral presentations. Reading instruction will include vocabulary development, reading comprehension, interpretation of fiction and non-fiction. Writing assignments are required each grading period.

1004H English 10, Honors A & B

2 semesters 2 credits Grade 10

Prerequisite: an earned grade of B- or better in English 9/English 9 Honors

This course is designed for academically talented students. The class will require creative thinking and be more challenging than regular English 10. Advanced skills begun in English 9.

1006 English 11 A & B

2 semesters 2 credits Grade 11

Prerequisite: English 10

English 11 is an academic level course which includes the study of American literature with emphasis on reading comprehension. Vocabulary is studied as well as grammar and usage as they apply to composition. Students will deliver oral presentations. Some outside reading is required.

1008 English 12 A & B

2 semesters 2 credits Grade 12

Prerequisite: English 11 or AP English Language & Composition

English 12 concentrates on the elements of the writing process for both college and work. Students study vocabulary, grammar and usage especially as it relates to writing and literature. Students will deliver oral presentations. Outside reading is required.

1086 Student Media (Yearbook) A & B

2 semesters 2 credit Grades 9-12

This course will offer a background of journalistic skills needed in producing a yearbook. Photography, advertising, public relations, and page layout design will be taught along with journalistic writing skills and editing. This class necessitates some after school and summer meetings to complete the work. **Students need a C+ grade average to be considered for the course. This class can be taken multiple times in high school. This course can be used to fulfill the fine arts requirements for an honors diploma.**

1098 Advanced Composition1 semester 1 credit Grade 11 **Paired with Adv. ENG 111**

Advanced Composition, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies of exposition and persuasion. Students write expository critiques of nonfiction selections, literary criticism of fiction selections, persuasive compositions, and research reports in addition to other appropriate writing tasks. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

1124A Adv ENG, CC: SP 203 Effective Speaking (Dual credit through Trine taught at AHS)

1 semester 1 credit Grade 11-12

Advanced English/Language Arts, College Credit, is an advanced course based on the Indiana Academic Standards for English/Language Arts in grades 11 and 12. This course title covers any English language and composition advanced course offered for credit by an accredited post-secondary institution through an adjunct agreement with a secondary school.

1124B Adv ENG, CC: ENGL 111 English Composition (Dual credit through ITCC taught at AHS)

1 semester 1 credits Grade 11-12 Meets the Requirement for English 11 or 12

Advanced English/Language Arts, College Credit, is an advanced course based on the Indiana Academic Standards for English/Language Arts in grades 11 and 12. This course title covers any English language and composition advanced course offered for credit by an accredited post-secondary institution through an adjunct agreement with a secondary school.

1124C Adv ENG, CC: ENGL 206 Introduction to Literature (Dual credit through ITCC taught at AHS)

1 semester 1 credit Grade 12 Meets the Requirement for 12

Advanced English/Language Arts, College Credit, is an advanced course based on the Indiana Academic Standards for English/Language Arts in grades 11 and 12. This course title covers any English language and composition advanced course offered for credit by an accredited post-secondary institution through an adjunct agreement with a secondary school. Pre-requisite is W111.

1124 Adv ENG CC: ENGL 233 American Literature (Dual credit through ITCC taught at AHS)

1 semester 1 credit Grade 12 Meets the Requirement for English 12

American Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of representative works and authors of the United States. Students read, analyze, evaluate, 59 Indiana Department of Education High School Course Titles and Descriptions: 2024-2025 critique, and actively respond to a wide variety of literary genres that reflect American culture, including quality works of various ethnic and cultural minorities. Students compare readings and media from literature, history, and other subjects by demonstrating how the ideas and concepts presented in the works are interconnected, distinctly American, and important to an understanding of the development of the current culture. The 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 American Literature curriculum. Pre-requisite is W111.

ENGLISH AS A NEW LANGUAGE**1012 English as a New Language**

8 semesters 2 credits/yr Grades 9-12

Prerequisite: Must have an ILP

English as a New Language, an integrated English course based on the WIDA English Language Development (ELD) Standards, is the study of language, literature, composition and oral communication for English learners (ELs) 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.

- Recommended Grade: Recommended Grade: 9, 10, 11, and 12. The intent of the ENL course is to move students as successfully, smoothly, and rapidly as possible into the Core 40 English courses offered in grades 9-12.
- Required Prerequisites: none
- Recommended Prerequisites: English proficiency placement test results
- English/Language Arts credit (1012): If ENL course work addresses Indiana's Academic Standards for English/Language Arts and is based on general ELA curriculum and student's Individualized Learning Plan, up to 8 credits accrued can be counted as the required English/ Language Arts credits for all diplomas.
- Fulfills an English Language Arts requirement for all diplomas
- World Language credit (2188): If ENL course work addresses Indiana's Academic Standards for World Languages and is taken concurrently with another English/Language Arts course, up to 8 credits accrued may count as World Language credits for all diplomas.

FAMILY AND CONSUMER SCIENCES**5342 Nutrition and Wellness**

1 semester 1 credit Grades 9-10

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 postsecondary education in all career areas related to nutrition, food, and wellness.

7173 Principles of Culinary and Hospitality A & B

2 semesters 2 credits Grades 9-12 **Must be taken with 7171 and 7172**

Principles of Culinary and Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the food service and lodging industry. Introduces procedures for decision making which affects operation management, products, labor, and revenue. Additionally, students will learn the fundamentals of food preparation, basic principles of sanitation, service procedures, and safety practices in the food service industry including proper operation techniques for equipment. ServSafe and Board of Health standards will be followed in the classroom. **This course may be taken for dual credit from Ivy Tech Community College.**

7171 Nutrition A & B

2 semesters 2 credits Grades 10-12 **Must be taken with 7172 and 7173**

Nutrition students will learn the characteristics, functions and food sources of the major nutrient groups and how to maximize nutrient retention in food preparation and storage. Students will be made aware of nutrient needs throughout the life cycle and to apply those principles to menu planning and food preparation. This course will engage students in hands-on learning of nutritional concepts such as preparing nutrient dense meals or examining nutritional needs of student athletes. ServSafe and Board of Health standards will be followed in the classroom. **This course may be taken for dual credit from Ivy Tech Community College.**

7172 Hospitality Management A & B

2 semesters 2 credits Grades 10-12 **Must be taken with 7173 and 7171**

Hospitality Management prepares students for employment in the hospitality industry. It provides the foundations for study in higher education that leads to a full spectrum of hospitality careers. This is a broad-based course that introduces students to all segments of hospitality, what it includes, and career opportunities that are available; provides a survey of management functions, highlighting basic theories and facts; and exposes students to current trends and current events within the industry. Three major goals of this course are for students to be able to identify current trends in hotel and restaurant management, distinguish the difference between hospitality and tourism, and state differences in front of the house versus back of the house. ServSafe and Board of Health standards will be followed in the classroom. **This course may be taken for dual credit from Ivy Tech Community College.**

FINE ARTS **ART**

4000 Introduction to Two-Dimensional Art

1 semester 1 credit Grades 9-12

Students will create works of art based on art history, art criticism, aesthetics and problem-solving. This will be done by producing artwork using the visual elements in a variety of projects that include drawing, collage, mixed medias and painting. By producing artwork students will develop direction and reflect upon their own personal experiences through writing, presentation and also expand on arts' significance in relating to the other disciplines. Career options and portfolio development will also be introduced.

4004 Advanced Two-Dimensional Art

1 semester 1 credit Grades 9-12

Prerequisite: Intro to 2-D Art with an earned grade of C- or better

Students in Advanced Two-Dimensional Art will build upon sequential learning of more techniques that build upon art history, art criticism, aesthetics and problem solving in an effort to build a stronger portfolio. Students will experience a variety of techniques while exploring historical relevance and utilize group and museum studies. These projects will include printmaking, pastels, calligraphy and mixed mediums.

4040 Ceramics

1 semester 1 credit Grades 10-12

Students will engage in sequential learning of the art history, art criticism, artistic merit and production. Students will learn the historical significance of ceramics from a variety of cultures. Students will also make critical choices in form and function in their own artwork. Exploration of various techniques as well as finishes will be covered and students will make critical choices in assessing their own ideas as compared to the art community. Personal growth and expansion of problem-solving will be done through hand building, wheel throwing, slip and glazing techniques, criticism, comparison papers and self-reflections of learned skills.

4040A Ceramics II

1 semester 1 credit Grades 10-12

Prerequisite: Ceramics and teacher recommendation

Students in Ceramics II will engage in sequential learning experiences that encompasses art history, production, art criticism and aesthetics in ceramic processes. More technical elements will be introduced and students will relate their work to their own life experiences while developing a ceramic portfolio. Students will also develop a better understanding of multi-technique approaches using a variety of engobes, glazes and mock finishes.

4040 C Ceramics, Independent Study

1 semester 1 credit Grades 10-12

Prerequisite: Ceramics II and teacher recommendation.

Advanced course work in Ceramics. Please see the course description for Ceramics II.

4060 A Drawing

1 semester 1 credit Grades 10-12

Prerequisite: an earned grade of C or better in Intro to 2-D Art AND Adv 2D Art

Students in Drawing will apply sequential learning experiences that will promote art history, art criticism, aesthetics and production. Students will be exposed to a variety of drawing materials and they will evaluate the meaning of their work as well as the work done both historically and contemporarily. Students will identify reasons that artists produce drawings that vary greatly in context, form and function. Students will create drawings in a variety of themes, methods and techniques. Students will write about processes and give presentations on their progress. Students will also develop a better understanding of career options and art criticism. Community resources will be utilized.

4060 B Drawing, Independent Study

1 semester 1 credit Grades 10-12

Prerequisite: Drawing & teacher recommendation.

Advanced course work in Drawing. Please see the course description for Drawing.

4064 A Painting

1 semester 1 credit Grades 10-12

Prerequisites: an earned grade of C or better in Intro to 2-D Art AND Adv 2D Art

Students taking this course will be painting in a sequential learning pattern that includes art history, art criticism, aesthetics and production that lead to the creation of portfolio quality works of art. Students will find significance in analyzing historical and contemporary paintings from a variety of mediums. All students will be evaluated through art criticism, aesthetics and production. Art work should show the usage of the visual elements and principles of art in their paintings. Media techniques and processes communicate the intended meaning of the assignment. Students will explore abstract and realistic paintings, written and oral criticism done both individually and independently and explore the correlations of painting to other disciplines. Career options and usage of community resources are utilized.

4064 B Painting, Independent Study

1 semester 1 credit Grades 10-12

Prerequisite: Painting & teacher recommendation.

Advanced course work in Painting. Please see the course description for Painting I.

4062 A Photography

1 semester 1 credit Grades 9-12

Prerequisite: Intro to 2D Art

Students in Photography engage in sequential learning experiences that cover art history, art criticism, aesthetics and production that will lead to portfolio quality prints. Students will create digital photographs. Principles and functions of specific equipment and processes will be organized into meaningful symbols in their artwork. In addition, students will problem solve and explore media techniques and processes in order to communicate the intended meaning of the project. Students will write about processes, make presentations, solve visual problems and find a direct correlation to other disciplines. All work should demonstrate a sincere desire to explore a variety of ideas and problems. Career options and community resources are utilized. Students may have addition expenses of paper.

4062 B Photography, Independent Study

1 semester 1 credit Grades 10-12

Prerequisite: Photography I & teacher recommendation.

Advanced course work in Photography. Please see the course description for Photography.

4044 A Sculpture

1 semester 1 credit Grades 10-12

Students in Sculpture will engage in sequential learning experiences which include art history, art criticism and productions that will lead to portfolio quality works of art. Students will search for the meaning, significance and direction of their own sculptures through aesthetics, criticism and group critiques. All projects will include the visual elements and organization of principles and function of sculptures. Using materials such as clay, plaster, wax, paper and wood; students will create realistic and abstract sculptures utilizing both subtractive and additive methods. Students will make presentations of their progress at regular intervals and will work both independently and in groups to create three dimensional works of art. Career options are covered and local resources are used.

4044 B Sculpture, Independent Study

1 semester 1 credit Grades 10-12

Prerequisite: Sculpture & teacher recommendation.

Advanced course work in Sculpture. Please see course description for Sculpture.

MUSIC/THEATRE

Students enrolling in Band, Dance, and Choir must commit to be in the course for the entire school year.

4188 Advanced Chorus A & B

2 semesters 2 credits Grades 9-12

Prerequisites: Audition, summer program participation

Advanced Chorus is an auditioned group. Auditions are held in May and members are selected for the following year. Within the group there are opportunities to excel as a singer/dancer and also to learn about show production. This high energy group is ideal for you if you have an interest in singing / dancing and stage performing. Attendance is required to extra-curricular performances and minimal rehearsals outside of the school day. Advanced Choir is a year-long course and if selected, students are expected to remain in the course for the full year. A signed permission slip is required to audition. There will be additional expenses of approximately \$200 per student in this course. Fund-raising opportunities are available.

4170 Advanced Concert Band A & B

2 semesters 2 credits Grades 9-12.

Prerequisite: Second semester assignment by Band Instructor

Advanced Concert Band provides students with a balanced comprehensive study of music. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine and integrate music study into other subject areas. Ensemble and solo activities are designed to develop elements of musicianship including, but not limited to: (1) tone production, (2) technical skills, (3) intonation, (4) music reading skills, (5) listening skills, (6) analyzing music and (7) studying styles of literature. All members of the Angola High School Band program are required to participate in the Concert Band Class the entire school year. Extra rehearsals are scheduled on an arranged basis with a minimum of six extra hours of rehearsal scheduled outside of the school day each week during the marching season. All members of the band are encouraged, but not required, to study privately. Attendance is required at all rehearsals and performances unless excused by the Director. All students who elect to take the Fall Concert Band Class must participate in the Summer Concert Band program in preparation for the fall marching activities and performances.

4142 Dance Choreography: Ballet, Modern, Jazz or Ethnic Folk A & B

2 semester 2 credits Grade 9-12

Prerequisite: Must audition for this class in the spring of the preceding school year.

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.

4164 Dance Performance 1: Ballet, Modern, Jazz or Ethnic Folk

1 semester (1st) 1 credit Grade 9-12

Prerequisite: Must audition for this class in the spring of the preceding school year. This class is taken with Dance Choreography 1st semester.

Sequential learning experiences are provided in the specific genre offered, whether it is ballet, modern, jazz or ethnic folk. In addition, this course provides instruction in flag choreography with dance techniques such as ballet, modern, ethnic, jazz, tap and others. Students learn the proper body mechanics for the prescribed flag and dance movements, develop partnering skills, perform in groups and develop a personal aesthetic quality of movement. 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. This class performs as the color guard/dance ensemble with the Fall Concert Band Class and the associated marching activities. Attendance is required at all rehearsals and performances unless excused by the Director. All students who elect to take the Fall Dance Performance Class must participate in the Summer Dance Performance program in preparation for the fall activities and performances.

4186 Intermediate Chorus A & B

2 semesters 2 credits Grades 9-12

Intermediate Chorus (Mixed Choir) enables students with an interest in singing and singing with movement to participate in small and large group performances and solo opportunities. Choir is a year-long class. Students are required to participate in extra-curricular performances. There will be additional expenses of approximately \$100-\$150 per student in this course. Fund-raising opportunities are available.

4168 Intermediate Concert Band A & B

1/2 semester(s) 1/2 credit(s) Grades 9-12

Prerequisite: Assignment by Band Instructor

Intermediate Concert Band provides students with a balanced comprehensive study of music. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine and integrate music study into other subject areas. Ensemble and solo activities are designed to develop elements of musicianship including, but not limited to: (1) tone production, (2) technical skills, (3) intonation, (4) music reading skills, (5) listening skills, (6) analyzing music and (7) studying styles of literature. All members of the Angola High School Band program are required to participate in the Concert Band Class the entire school year. Extra rehearsals are scheduled on an arranged basis with a minimum of six extra hours of rehearsal scheduled outside of the school day each week during the marching season. All members of the band are encouraged, but not required, to study privately. Attendance is required at all rehearsals and performances unless excused by the Director. All students who elect to take the Fall Concert Band Class must participate in the Summer Concert Band program in preparation for the fall marching activities and performances.

4164 Jazz Ensemble

1 semester 1 credits Grade 9-12

Prerequisite: Intermediate or Advanced Concert Band; possible audition

Students taking this course develop musicianship and specific performance skills through group and individual settings for the study and performance of the varied styles of instrumental jazz. Students develop their creative skills through (1) improvisation, (2) composition, (3) arranging, (4) performing, (5) listening and (6) analyzing. Students are expected to practice regularly. Private lessons are recommended. The Jazz Band performs for school and community events as well as various jazz festivals throughout the year. Additional rehearsals may be scheduled as needed.

4206 Music History and Appreciation

1 semester 1 credit Grades 9-12

Music History and Appreciation is designed for the non-music student as well as the performing arts student who wants to broaden his/her perspectives. The purpose of the course is to guide the student in listening and understanding various forms and styles of instrumental and vocal music of the world. A synopsis of the development of music in the culture of the various style periods will be studied. The course will culminate with contemporary developments in the traditional and electronic mediums.

4208 Music Theory and Composition

1 semester 1 credit Grades 9-12

This class is recommended for students planning to study music in college, or for those with special music interests. Students will study the structure of music, including the fundamentals of melody, rhythm, and harmony.

4242 Theatre Arts

1 semester 1 credit Grades 9-12

Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Arts read and analyze plays, create scripts and theatre pieces, conceive scenic designs, and develop acting 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.

4244 Technical Theatre

1 semester 1 credit Grades 9-12

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.

4250 Advanced Acting

1 semester 1 credit Grades 9-12

Advanced Acting is based on the Indiana Academic Standards for Theatre. Students enrolled in Advanced Acting research, create, and perform characters through script analysis, observation, collaboration, and rehearsal. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre by attending plays, meeting actors and discussing their work, and becoming theatre patrons in their community.

HEALTH EDUCATION

3506 Health and Wellness Education

1 semester 1 credit Grades 9-10

Health and Wellness will provide the basis for methods of developing knowledge, concepts, skills, behaviors, and attitudes related to student health and well-being. The course will include the major content areas in a planned, sequential, comprehensive health education curriculum as stated in the Indiana Health Education Standards Guide: 1) Growth and Development, 2) Mental and Emotional Health, 3) Community and Environmental Health, 4) Nutrition, 5) Family Life, 6) Consumer Health, 7) Personal Health, 8) Alcohol, Tobacco and Other Drugs, 9) Intentional and Unintentional Injury and 10) Health Promotion and Disease Prevention. Students will have opportunities to explore the effect of health behaviors on an individual's quality of life. This class will assist students in understanding that health is a lifetime commitment by analyzing individual risk factors and health decisions that promote health and prevent disease. Students are also encouraged to assume individual responsibility for becoming competent health consumers. A variety of strategies, including technology, will be used to further develop health literacy. Also, a discussion of related careers may be included.

Students who successfully complete the course and the project-based component will satisfy Bucket 2 of the Graduation Pathways diploma requirements.

3508 Current Health Issues

1 semester 1 credit Grades 10-12

Prerequisite: Health Education

Current Health Issues is an elective course which focuses on more in-depth research regarding health knowledge, concepts, skills, behaviors, and attitudes. The class will explore issues in substance abuse, stress management, chronic and communicable diseases, nutrition and fitness as well as current health issues.

HEALTH SCIENCES

5272 Introduction to Health Science Careers

1 semester 1 credit Grades 9-10

Introduction to Health Science Careers is an exploratory course designed to provide students with an opportunity to investigate all aspects of the health science industry. Students will receive an introduction to healthcare systems and

examine a variety of pathways in health science, and reflect on their own knowledge, skills, and interests, to begin to narrow the areas within health science they want to continue exploring, in preparation for further study in a health science principles course.

7168 Principles of Healthcare (Periods 1-3)

2 semesters 2 credits Grades 12

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. 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. **This course may be taken for dual credit from Trine University.**

5274 Medical Terminology (Periods 1-3)

2 semesters 2 credits Grades 12

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. **This course may be taken for dual credit from Trine University.**

7164 Certified Clinical Medical Assistant (CCMA) (Periods 1-3)

2 semesters 2 credits Grades 12

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 collecting and preparation of laboratory specimen and basic laboratory test will be covered. Prepares for the administration of medication, venipuncture, ECG, and wound care. Provides a basic understanding of the clinical and administrative duties and responsibilities pertinent 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 communications according to patient needs are covered as well as documentation and associated legal and ethical boundaries. **This course may be taken for dual credit from Trine University.**

MATHEMATICS

Students should maintain average (C) or better achievement if they plan to stay in the academic math sequence. All students must take a math or quantitative reasoning course every year in high school.

2520 Algebra I A & B

2 semesters 2 credits Grades 9-12

Algebra I is the foundation course for all mathematics courses at Angola High School. It is highly recommended that a student receive a C+ or higher before attempting any further math courses. Success in any advanced mathematics class is contingent upon a solid understanding of basic algebraic concepts and skills. Course content will be designed to address the Indiana standards of Algebra I. Major areas of study will include the following: real number operations, equation and inequality solution skills, graphing techniques for linear equations and inequalities, systems of equations, polynomial and rational expressions, quadratic and radical equations, and introduction to basic function concepts. Incorporated into all of these areas will be problem-solving situations and strategies.

2615 Algebra I Lab A & B

2 semesters 2 credits Grades 9-12

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.

2532 Geometry A & B

2 semesters 2 credits Grades 9-12

Prerequisite: Algebra I

Geometry provides students with experiences that deepen the understanding of shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric figures include the study of: angles, lines, planes, congruent and similar triangles, trigonometric ratios, polygons, and circles. An understanding of proof and logic is developed. Use of graphing calculators is encouraged.

2532H Honors Geometry A & B

2 semesters 2 credits Grades 9-10

Prerequisite: Algebra I, Teacher Recommendation

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. Seven critical areas comprise the Geometry course: 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.

2524 Analytical Algebra II A & B

2 semesters 2 credits Grades 11-12

Prerequisite: Algebra I and Geometry, Non -Honors

Analytical Algebra II builds on previous work with linear, quadratic and exponential functions and extends to include polynomial, rational, and radical functions. Data analysis, statistics, and probability content should be included throughout the course, as students collect and use univariate and bivariate data to create and interpret mathematical models. The Indiana Academic Standards for Analytical Algebra II consist of six domains: Arithmetic and Structure of Expressions, Equations, and Functions; Function Families; Modeling with Functions and Data; Modeling with Advanced Algebra; Modeling with Data and Statistics; and Modeling with Quantities. Additionally, Analytical Algebra II should focus on the application of mathematics in various disciplines including business, finance, science, CTE, and social sciences using technology to model real-world problems with various functions, using and translating between multiple representations. 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. The essential standards for Analytical Algebra II are different from those noted for Algebra II, which may support students in a variety of STEM-related and non-STEM post-secondary pursuits.

2522 Algebra II A & B

2 semesters 2 credits Grades 9-12

Prerequisite: Algebra I and Geometry (or taken at the same time as Geometry)

Algebra II is a high level course designed to provide students with the mathematics tools needed to be very successful in the Pre-calculus and Calculus courses at Angola High School as well as introductory level college courses. Students are encouraged to achieve a grade of C+ or better in both Algebra I and Geometry prior to attempting this course. The course extends skills and concepts learned in Algebra I and expands on the importance of functions. The Indiana standards provide the guidelines for the topics addressed in this course. Major areas of emphasis are: investigation of graphs and characteristics of functions (linear, quadratic, polynomial, exponential, and logarithmic); solution techniques for first degree quadratic, and higher-degree polynomial equations; rational expressions; logarithmic and exponential expressions; conic sections; sequences and series; and basic probability. Problem solving situations and strategies are incorporated into all areas.

2522H Honors Algebra II A & B

2 semesters 2 credits Grades 9-11

Prerequisite: Algebra I and Geometry, Teacher Recommendation

Algebra II is a high level course designed to provide students with the mathematics tools needed to be very successful in the Pre-calculus and Calculus courses at Angola High School as well as introductory level college courses. Students are encouraged to achieve a grade of C+ or better in both Algebra I and Geometry prior to attempting this course. The course extends skills and concepts learned in Algebra I and expands on the importance of functions. The Indiana standards provide the guidelines for the topics addressed in this course. Major areas of emphasis are: investigation of graphs and characteristics of functions (linear, quadratic, polynomial, exponential, and logarithmic); solution techniques for first degree quadratic, and higher-degree polynomial equations; rational expressions; logarithmic and exponential expressions; conic sections; sequences and series; and basic probability. Problem solving situations and strategies are incorporated into all areas.

2530 A&B Adv Math CC: Finite Mathematics (Dual credit through ITCC taught at AHS)

2 semesters 2 credits Grades 10-12

Prerequisite: Algebra II

Finite Mathematics is a course that studies an umbrella of mathematical topics. It is a course designed for students who will undertake higher-level mathematics in college that may not include calculus. Topics include: (1) counting techniques, (2) matrices, (3) recursion, (4) graph theory, (5) social choice, (6) linear programming, and (7) game theory. Technology, such as computers and graphing calculators, should be used frequently.

Important: Indiana University Bloomington will NOT accept credit from this course toward meeting their math entrance requirements.

2544 C&D Adv Math CC: MA 136 & 137 Pre-Calculus/Trigonometry (Dual credit through ITCC taught at AHS)

2 semesters 4 credits Grades 11-12

Prerequisite: Algebra II; Ivy Tech CC requirements or successful Knowledge Assessment testing or Trine requirements

The first semester of Pre-Calculus centers on the study of functions and their graphs. Specifically, linear, quadratic, higher-degree polynomial, rational, exponential, and logarithmic functions are examined. Use of a TI- 83 Graphing Calculator in data analysis and other applications of these functions is routine. The second semester focuses on basic Trigonometry concepts. The study of angles and their measures, circular functions, and right triangle ratio definitions form the foundation for the remainder of the course. Trigonometric functions and their graphs, identity proofs, and practical problems using right triangle ratios, the Law of Sines, and the Law of Cosines are topics which complete the course. Successful completion of this course should result in 4 dual credits through Ivy Tech Community College or Trine.

2544 E&F Adv Math CC: MA 165 (Dual credit through ITCC taught at AHS)

2 semesters 4 credits Grades 11-12

Prerequisite: Pre-Calculus/Trigonometry; Ivy Tech CC requirements or successful Knowledge Assessment testing or Trine requirements

Calculus is a course which provides students with the content that meets the curriculum standards for college calculus at ITCC and/or Trine. Topics include functions, limits, continuity, derivatives, definite integrals, and techniques of integration involving rational, trigonometric, logarithmic, and exponential functions. This course also includes application of the derivative, the integral, and theory of calculus. The use of graphing technology is required. Successful completion of this course should result in 8 dual credits.

2570 AP Statistics A & B

2 semesters 2 credits Grades 11-12

Prerequisite: Algebra II

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 statistic inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. The student who successfully completes this course for AP credit should be adequately prepared for the AP Statistics exam offered by the College Board in May.

MULTIDISCIPLINARY**0509 Jobs for America's Graduates (JAG) A & B**

2 semesters 2 credits Grades 9-10

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

8001 Academic Lab A

1 semester 0 credit Grades 12

Academic Lab is not a course but a period in which a student is assigned to a classroom for study purposes. A teacher is available to give the student help, if needed. The student can also receive a pass for tutoring during this time. Academic Labs are offered both semesters.

8002 Academic Lab B

1 semester 0 credit Grades 12

Academic Lab is not a course but a period in which a student is assigned to a classroom for study purposes. A teacher is available to give the student help, if needed. The student can also receive a pass for tutoring during this time. Academic Labs are offered both semesters.

0500 Basic Skills Development A &/or B

1-2 semesters 1-2 credits Grades 9-12

Prerequisite: Must have an IEP or individualized learning plan.

Basic Skills Development provides students continuing opportunities to develop basic skills which could include: (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.

5394 Preparing for College and Careers

1 semester 1 credits Grade 9

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.

0532 College-Entrance Preparation

1 semester 1 credit Grades 10-11

College-Entrance Preparation utilizes individual student score reports from the PSAT or other formative assessments to prepare students for college readiness assessments such as Indiana's Graduation Qualifying Exam, the SAT. Based on individual student score reports, students should receive targeted instruction to strengthen their foundations in critical reading, writing, and mathematics. Being "college ready" means being prepared for any post-secondary 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). A college-ready student has the necessary English and mathematics skills to qualify for and succeed in entry-level, credit-bearing college courses without the need for remedial coursework.

0530 Career Exploration Internship A &/or B

1 or 2 semesters 3-6 credits Grades 11-12

Prerequisite: application

The 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.

6162 Cooperative Education A & B

2 semesters 1-3 credits per semester Grade 12

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.

0522 Career Information and Exploration

1 semester 1 credit Grades 9-12

Prerequisite: Must have an IEP

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. **A maximum of 8 credits can be earned in this course.**

PHYSICAL EDUCATION

Students must complete both Physical Education I and II to meet AHS and state requirements for graduation. PE I can be met with a PE waiver through participation in band or sports. See Mr. Myers or Mr. Lantz for the PE Waiver form.

3542 Physical Education I

1 semester (1st) 1 credit Grades 9-10

PE I can be taken during either grade 9 or 10.

The beginning physical education class for high school students will emphasize health-related fitness and will help to develop skills and habits for a lifetime of activity. The class includes skill development with the application of rules and strategies of complex difficulty in at least three of the following different movement forms: 1) health-related fitness activities such as cardio-respiratory endurance; 2) aerobic exercise; 3) team sports; 4) individual and dual sports; 5) gymnastics; 6) outdoor pursuits; 7) self-defense; 8) aquatics; 9) dance; and 10) recreational games. Evaluation of students throughout the quarter will include both written and performance-based skills assessments. This course will include a discussion of related careers.

3542S Physical Education I (Strength)

1 semester (1st) 1 credit Grades 9-10

PE I (Strength) can be taken during either grade 9 or 10.

This course is designed for those students who are more interested in a Physical Education course with a strength and agility training emphasis. Students should be participating in an AHS sport in order to take this course.

3544 Physical Education II

1 semester (2nd) 1 credit Grades 9-10

PE II can be taken during either grade 9 or 10.

The second part of physical education continues to stress a personal commitment to lifetime activity and fitness for enjoyment, challenge, self-expression and social interaction for the student. This class will provide students with opportunities to achieve and maintain a health-enhancing level of physical fitness and increase their knowledge of fitness concepts. Students will participate in at least three different movement forms from the 10 movement forms list in Physical Education I. Evaluations of student throughout the quarter will include both written and performance-based skills assessment. This course will include a discussion of related careers.

3544S Physical Education II (Strength)

1 semester (2nd) 1 credit Grades 9-10

PE II (Strength) can be taken during either grade 9 or 10.

This course is designed for those students who are more interested in a Physical Education course with a strength and agility training emphasis. Students should be participating in an AHS sport in order to take this course.

***A maximum of 2 credits can be earned from a combination of PE I and II OR PE I and II (Strength)**

3542A Physical Education I & II (Adaptive)

2 semesters 2 credits Grades 10-12

This course exists for those students who have a verified medical statement from a doctor that severely limits their participation in a regular physical education class due to health or safety reasons. Temporary disabilities/injuries do not qualify a student for this course.

3560F Elective Physical Education I (Strength and Agility)

1 semester 1 credit Grades 10-12

Prerequisite: Physical Education I and II

Students will be trained in the latest strength and agility techniques. Components of Olympic weight training will be used highlighting triple extension movements of the hips, knees, and ankles. Agility exercises will be used to stimulate fast-twitch muscle fibers while improving coordination, balance, and start/stop ratios. Our emphasis will be on explosive training while focusing on speed development, athletic enhancement, core strength, and flexibility. **A maximum of four credits can be earned in this course.**

3560S Elective Physical Education II (Strength and Agility)

1 semester 1 credit Grades 10-12

Prerequisite: Physical Education I and II

Students will be trained in the latest strength and agility techniques. Components of Olympic weight training will be used highlighting triple extension movements of the hips, knees, and ankles. Agility exercises will be used to stimulate fast-twitch muscle fibers while improving coordination, balance, and start/stop ratios. Our emphasis will be on explosive training while focusing on speed development, athletic enhancement, core strength, and flexibility. **A maximum of four credits can be earned in this course.**

3560O Elective Physical Education Officiating 101

1 semester 1 credit Grades 11-12

An approved course by the Indiana Department of Education, the Officiating 101 program presents students with an opportunity to develop communication, management and leadership skills while providing an avenue for employment during high school as well as post-secondary graduation. This program is designed specifically for IHSAA member schools, providing resources and teachings to prepare our next generation of officials. Schools who are participating in this program will receive digital officiating curriculum including:

- Video interaction with explanation of rule/concept.
- Video library arranged by sport and topic.
- Curriculum of at least four sports per year (delivery is conducted in advance of the IHSAA season)

Once students have completed the course and accompanying exam, they are eligible to receive a Provisional Officials License once registered in myIHSAA.

3560L Elective Physical Education Lifeguarding

1 semester 1 credit Grades 11-12

Lifeguarding is designed to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize, and respond to aquatic emergencies, injuries, and sudden illnesses until emergency medical services (EMS) personnel arrive and take over the emergency situation.

American Red Cross Prerequisite: Must be performed on the first day of pool activity.

1. Minimum age of 15.
2. Swim 300 yards continuously, demonstrating breath control and rhythmic breathing. Students may swim using the front crawl, breaststroke, or a combination of both, but swimming on the back is not allowed. Swim goggles may be used.
3. Tread water for 2 minutes using only the legs. Students should place their hands under their armpits.
4. Complete a timed event within 1 minute, 40 seconds.
 - Starting in the water, swim 20 yards. The face may be in or out of the water. Swim goggles are not allowed.
 - Surface dive, feet-first or head-first, to a depth of 7 to 10 feet to retrieve a 10-pound object.
 - Return to the surface and swim 20 yards on the back to return to the starting point with both hands holding the object and keep the face at or near the surface so they can get a breath. Candidates should not swim the distance underwater.
 - Exit the water without using a ladder or steps.

Certification Requirements

- Demonstrate competency in all required skills and activities.
- Demonstrate competency in the three final skill scenarios.
- Correctly answer at least 80 percent of the questions in the three sections of the final written exam.

Certificate Issued and Validity Period

CPR/AED for the Professional Rescuer and First Aid: 2 years

SCIENCE

3024 Biology I A & B

2 semesters 2 credits Grades 9-12

This class provides through laboratory and field investigations, a study of the structures and functions of living organisms and their interactions with their environment. Students will explore the functions and processes of cells, tissues, organs, and systems within various species of living organisms and the roles and interdependencies of organisms within

populations, communities, ecosystems, and the biosphere. Also students will have opportunities to: 1) gain an understanding of the history of development of biological knowledge, 2) explore the uses of biology in various careers, and 3) cope with biological questions and problems related to personal needs and social issues.

3108 Integrated Chemistry-Physics A & B

2 semesters 2 credits Grades 9-12

Prerequisite: Algebra I

This class introduces the fundamental concepts of scientific inquiry, the structure of matter, chemical reactions, forces, motion, and the interactions between energy and matter. As laboratory-based, this course is an introduction to possible future course work in chemistry or physics while learning chemistry and physics fundamentals. Students should be able to produce scientifically literate knowledge of physical science to solve real-world problems and to make personal, social and ethical decisions outside of the classroom.

3064 Chemistry I A & B

2 semesters 2 credits Grades 9-12

Biology and Algebra I (grade of B or above strongly recommended)

This class allows students to synthesize useful models of the structure of matter and the mechanisms of its interactions through laboratory investigation of matter and its chemical reactions. Students will have opportunities to: 1) gain an understanding of the history of chemistry, 2) explore the uses of chemistry in various careers, 3) cope with chemical questions and problems related to personal needs and social issues, and 4) learn and practice laboratory safety.

3044 Earth/Space Science I A & B

2 semesters 2 credits Grades 10-12

Prerequisite: Biology, Integrated Chemistry-Physics or Chemistry, and one math course

This class provides a study of the earth's lithosphere, atmosphere, hydrosphere, and its celestial environment. Earth and Space Science I emphasizes the study of energy at work in forming and modifying earth materials, land forms, and continents through geological time. Students have opportunities to gain an understanding of the history of the development of the earth and space sciences, to explore the uses of knowledge of the earth and its environment in various careers, and to cope with problems related to personal needs and social issues.

5276 Anatomy & Physiology A & B (Dual credit through Trine University taught at AHS)

2 semesters 2 credits Grades 10-12

Prerequisite: Biology (Chemistry is strongly recommended)

Anatomy & Physiology is a course in which students investigate concepts related to the Health Sciences. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & Physiology. Studies include the process of homeostasis and the essentials of human function at the level of genes, cells, tissues, and organ systems. Students will understand the structure, organization, and function of the various components of the healthy human body in order to apply this knowledge in all health-related fields. Students enrolled in this course should have a basic understanding of the Principles of Biology including: molecules and cells, developmental and organismal biology, and genetics. Students should also know the principles of atomic structure, bonding, molecules, and structural formulas, types of chemical reactions, principles of acids and bases, and molarity. The course should include ample laboratory experiences that illustrate the application of the standards to the appropriate cells, tissues, organs, and organ systems. Dissection is both appropriate and necessary. Students should be able to use basic laboratory equipment such as microscopes, balances, and pipettes. **Dual credit is available for this class through Trine.**

3090 A&B Adv Sci CC: APHY 101 (Trine)

3090 A & B Adv Sci CC: Bio 114/124 (Trine University)/Advanced Placement Biology A & B

2 semesters 2 credits 11-12

Prerequisites: Biology I, Chemistry I; Ivy Tech requirements

Biology 101 is a college level biology course. Topics discussed will include molecules and cells, including the chemistry of life and cellular chemistry. Heredity and evolution, as well as organisms and populations will be studied in both the laboratory and classroom environments. The course will also include the topics included in the Advanced Placement Biology curriculum. Successful completion of this course should result in dual credits through Ivy Tech Community College. Students who complete the course may take the Advanced Placement examination in May to determine college credit and college placement.

3090 A & B Adv Sci CC: Chem 104/114 (Trine University)/Advanced Placement Chemistry A & B

2 semesters 2 credits 11-12

Prerequisites: Biology I, Chemistry I; Ivy Tech requirements

An introductory College Chemistry course that includes the science of chemistry and measurement, atomic theory and the periodic table, chemical bonding, equation writing and balancing, stoichiometry, gases and acids/bases. The course includes labs. Topics contained in the Advanced Placement Chemistry course will also be studied. Successful completion of this course should result in dual credits through Ivy Tech Community College. Students who complete the course may take the Advanced Placement examination in May to determine college credit and college placement.

3090 A & B Adv Sci CC: PH 154/164 College Physics (Trine University)/Advanced Placement Physics A & B

2 semesters 2 credits Grades 11-12

Prerequisites: Biology I, Chemistry I, Algebra II

An algebra-based introduction to the concepts and application of Newton's Law, linear and rotational motion, work, energy, and momentum, solids and fluids, and heat. Experimental investigation of selected topics. Lab required.

3080 Advanced Placement (AP) Physics 1: Algebra-based A & B

2 semesters 2 credits Grades 11-12

Prerequisite: Algebra II

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. Students who complete the course may take the Advanced Placement examination in May to determine college credit and college placement.

3081 Advanced Placement (AP) Physics 2: Algebra-based A & B

2 semesters 2 credits Grades 11-12

Prerequisite: AP Physics 1: Algebra-based

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. Students who complete the course may take the Advanced Placement examination in May to determine college credit and college placement.

SOCIAL STUDIES

1548 World History & Civilization A & B

2 semesters 2 credits Grades 9-12

World History & Civilization examines the development of civilization from ancient times to the present. The influence of Western European culture is stressed but the growth of civilization in other parts of the world is also examined. A comparative study of political, economic, and social structures of each area of the world will be discussed in class. Students who complete the course may take the Advanced Placement examination in May to determine college credit and college placement.

1542 United States History A & B

2 semesters 2 credits Grades 11-12

American History emphasizes the development of the United States in the 20th century. The course begins with a review of significant concepts and events of the 19th century and moves quickly into this century. Course content emphasizes the changing American role in world affairs as well as how the United States has changed because of this changing role.

Students who successfully complete the course and the project-based component will satisfy Bucket 2 of the Graduation Pathways diploma requirements.

1540 United States Government

1 semester 1 credit Grade 12

Government emphasizes the mechanics of the federal government and its operation. The following areas will be studied: 1) the federal system of government, 2) civil liberties and responsibilities, 3) political parties and voting procedures, 4) the legislative branch and the legislative process, 5) the executive branch, 6) the judicial branch, and 7) the role of the federal bureaucracy in government. Students will be required to research and submit a term paper examining how the federal government affects a particular aspect of our society in order to pass the course.

1514 Economics

1 semester 1 credit Grade 12

Economics includes the study of scarce resources and their alternative uses for satisfying human needs and wants. Students will examine basic models of decision-making in various areas including consumer decisions, producer decisions, saver and investor decisions, as well as business decisions to maximize profits. Applications of these concepts to the real world though the print media will also be an emphasis. To further these applications, a community consultant will visit the class on a weekly basis. **Students who successfully complete the course and the project-based component will satisfy Bucket 2 of the Graduation Pathways diploma requirements.**

1574P Adv SS CC: Psych 101 Intro to Psych (Ivy Tech CC)

1 semester 1 credit Grade 12

Prerequisite: GPA (seniors) or Ivy Tech requirements

Introduction to Psychology surveys the behavior and cognitive processes as they affect the individual. The course focuses on the biological foundations, learning processes, research methodologies, personality, human development, and abnormal and social psychology. **The student must meet Ivy Tech standards for dual credit or take and pass the Knowledge Assessment test in the fall.** Successful completion of this course awards college credits.

1574S Adv SS CC: SOCI 111 Intro to Sociology (Ivy Tech CC)

1 semester 1 credit Grade 12

Prerequisite: GPA (seniors) or Ivy Tech requirements

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. **The student must meet Ivy Tech standards for dual credit or take and pass the Knowledge Assessment test in the fall.** Successful completion of this course awards college credits.

1574H Adv Soc Stud CC: Hist 101 Surv of Amer Hist I (Ivy Tech CC)

1 semester 1 credit Grade 11

Prerequisite: GPA (juniors) or Ivy Tech requirements

Survey of American History I covers major themes and events in American history from domestic and global standpoints, including exploration of the New World; the colonial period; causes and results of the American Revolution; the development of the federal system of government; the growth of democracy; early popular American culture; territorial expansion; slavery and its effect; reform movements, sectionalism; causes and effects of the Civil War. The student must meet Ivy Tech standards for dual credit or take and pass the Accuplacer test in the fall. Successful completion of this course awards college credits. This course meets the requirements for US History. **Students who successfully complete the course and the project-based component will satisfy Bucket 2 of the Graduation Pathways diploma requirements.**

1574H Adv Soc Stud CC: Hist 102 Surv of Amer Hist II (Ivy Tech CC)

1 semester 1 credit Grade 11

Prerequisite: GPA (juniors) or Ivy Tech requirements

Survey of American History II covers major themes including the post-Civil War period, western expansion, industrial growth of the nation and its effects, immigration and urban discontent and attempts at reform, World War I, the Roaring Twenties, social and governmental changes of the thirties, World War II and its consequences, the growth of the federal government, social upheaval in the sixties and seventies, and recent trends in conservatism, globalization, and cultural diversity. The student must meet Ivy Tech standards for dual credit or take and pass the Accuplacer test in the fall. Successful completion of this course awards college credits. This course meets the requirements for US History. **Students who successfully complete the course and the project-based component will satisfy Bucket 2 of the Graduation Pathways diploma requirements.**

1566 AP Microeconomics/ Adv Soc Stud CC: ECO 213 (Trine University)

1 semester 1 credit Grade 12

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; The Nature and Functions of Product Markets; Factor Markets; and Market Failure and the Role of Government. Students who complete the course may take the Advanced Placement examination in May to determine college credit and college placement.

1612 AP World History Modern A & B/ Adv Soc Stud CC: Hist 203

2 semesters 2 credits Grades 9-12

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. Students who complete the course may take the Advanced Placement examination in May to determine college credit and college placement.

1574 Adv Soc St CC: World Politics POLS 211 (International Relations)

1 semester 1 credit Grade 11-12

International Relations provides a survey of the formal relations among sovereign states in the international system, emphasizing the operation of diplomacy. The procedures for settlement of disputes and various methods of international conflict resolution are included. This course examines power, interdependence, global development, and international organizations.

1516 Ethnic Studies

1 semester 1 credit Grades 9-12

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.

1518 Indiana Studies

1 semester 1 credit Grades 9-12

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 student 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.

WORLD LANGUAGES

2156 American Sign Language I A & B

2 semesters 2 credits Grades 9-12

American Sign Language I is a course that introduces students to American Sign Language (ASL) and the deaf community. The course focuses on frequently used signs through a functional-notional approach, and discusses cultural features of the deaf community. Emphasis is placed on development of receptive and expressive language skills. Through this course, students are given the opportunity to develop visual acuity; follow brief verbal instructions; understand short statements, questions, and dialogues; develop short descriptions with guidance; begin to understand the current GLOSSING system used to write ASL; and examine other methods developed to write ASL, including Sign Writing. Students also learn to recognize the difference between the pathological and psychological definitions of deafness, recognize the widespread use of ASL throughout the United States, and develop an understanding of the relationship between languages and cultures as a whole.

2158 American Sign Language II A & B

2 semesters 2 credits Grades 9-12

American Sign Language II is a course that continues the focus on frequently used signs through a functional-notional approach and the discussion of the cultural features of the deaf community. Emphasis is placed on further development of receptive and expressive communication skills in American Sign Language (ASL). Through this course, students are given the opportunity to watch and understand short stories, dialogues and poetry in ASL; continue to develop visual discrimination skills; begin to understand various dialects of ASL by interacting with ASL users within the deaf community; begin to use classifiers appropriately; continue the mastery of the current GLOSSING system used in texts to write ASL; and begin to write in GLOSS their own simple dialogues, poetry and translations. Students will also learn to examine some of the political issues associated with the deaf community, and will further develop an understanding of the relationship between languages and cultures as a whole.

2020 French I A & B

2 semesters 2 credits Grades 9-12

The coursework in French I enables students to develop an understanding of the reasons for learning French as well as of the people who speak it. Students will learn to apply effective strategies for learning a language and demonstrate a willingness to experience various Francophone cultures. French I provides the student with the opportunities to respond to and give oral directions; demonstrate an understanding of different forms of address; ask and answer simple questions; read words and phrases using context to aid in understanding; understand and follow brief written directions; read short narratives; and respond in writing to various prompts. Additionally, students learn nonverbal communication, major French holidays and cultural values, appropriate greetings and leave takings, and culturally appropriate etiquette. It is advisable to take French I and French II in consecutive years.

2022 French II A & B

2 semesters 2 credits Grades 10-12

Prerequisite: French I

The coursework in French II enables students to participate in conversations on topics such as daily routines, activities, and interests. French II provides students with the opportunities to ask questions about events; discuss topics including personal experiences; interact in a variety of social and public situations; read simple texts to understand the main ideas; and create brief written responses to events. Additionally, students will become familiar with geographic, political and historic features of France; gain an understanding of French art, literature, music and food; and understand cultural etiquette. It is advisable to take French I and French II in consecutive years.

2152 French III A & B/Adv Wrld Lang CC: Fren 101 & 102 A & B (Ivy Tech CC)

2 semesters 2 credits Grades 11-12

Prerequisite: French II; GPA (seniors) test scores

French is the primary medium of instruction. The goal of the course is to continue the development and reinforcement of the skills of the target language: listening, speaking, reading and writing at an intermediate level. The course continues the study of grammar/syntax and vocabulary building and introduces French civilization through conversation coordinated with the reading of cultural and literary texts as well as written and oral reports. The student must meet Ivy Tech standards for dual credit or take and pass the KA test in the spring/fall. Successful completion of this course should result in transferable college credits.

2152 French IV A & B/Adv Wrld Lang CC: Fren 201 & 202 A & B (Ivy Tech CC)

2 semesters 2 credits Grades 12

Prerequisite: Adv Wrld Lang CC: French 101 & 102

French is the primary medium of instruction. The goal of the course is to continue the development and reinforcement of the skills of the target language: listening, speaking, reading and writing at an advanced intermediate level. The course continues the study of grammar/syntax and vocabulary building and continues the study of French and Francophone civilizations through readings, both journalistic and literary, and reinforced through class discussions as well as written and oral reports. The student must meet Ivy Tech standards for dual credit or take and pass the KA test in the spring/fall. Successful completion of this course should result in transferable college credits.

2120 Spanish I A & B

2 semesters 2 credits Grades 9-12

Students in Spanish I will respond to oral directions and commands and make routine requests; understand and use appropriate forms of address in courtesy expressions and be able to tell about daily schedules and events; ask and answer simple questions and participate in brief conversations; read isolated words and phrases in situational context; comprehend brief written directions; read short narrative texts; write familiar words and phrases in appropriate contexts; learn about nonverbal communication, use the Internet and/or read about different countries, their unique holidays and customary foods; and greet and take leave. It is advisable to take Spanish I and Spanish II in consecutive semesters.

2122 Spanish II A & B

2 semesters 2 credits Grades 10-12

Prerequisite: Spanish I

Students in Spanish II will ask and respond to questions; participate in conversations on a variety of topics; relate a simple narrative about a personal experience or event; interact in a variety of situations to meet personal needs; understand main ideas and facts from simple texts; read aloud with appropriate intonation and pronunciation; write briefly in response to given situations; investigate major geographical features, historical events, and political structures of the countries being studied; familiarize themselves with different aspects of the Latin culture, such as music, food, customs, etc.; learn cultural expectations regarding arrival times. It is advisable to take Spanish I and Spanish II in consecutive years.

2124 Spanish III A & B/Adv Wrld Lang CC: SPAN 101 & 102 A & B (Ivy Tech CC)

2 semesters 2 credits Grades 10-12

Prerequisite: Spanish II

Students who successfully complete Spanish III will be able to understand and appreciate other cultures by comparing – Spanish - social behaviors and values of people. Students should be willing to initiate and participate in discussions concerning these cultures. In addition, students are able to respond to questions and interact in a variety of social situations; read for comprehension from a variety of authentic materials; read short literary selections of poetry, plays, and short stories; complete authentic forms and documents and take notes that require familiar aspects of the culture using Spanish; seek help in a crisis situation and participate appropriately at special family occasions and cultural situations; study vocabulary and structures; write paraphrases, summaries, and brief compositions.

2126 Spanish IV A & B/Adv Wrld Lang CC: SPAN 201 & 202 A & B (Ivy Tech CC)

2 semesters 2 credits Grades 10-12

Prerequisite: Spanish III

Students who successfully complete Spanish IV will be able to participate in classroom and extra-curricular activities related to Spanish. Students are willing to participate in conversations with native and advanced non-native speakers either in the community or the school. The course also enables students to respond to questions and interact in complex social situations; give presentations on cultural topics, paraphrase or restate what someone else has said; read for comprehension from a variety of longer authentic materials; write well-organized compositions; and begin using the language creatively in writing. Students are also aware of the major art forms in at least one major historical period; become aware of the major literary, music, and artistic periods; are able to adjust speech appropriate to the situation and audience, and are able to participate appropriately in a variety of specific circumstances.

IMPACT INSTITUTE

Impact Institute courses prepare students for further career and technical education training at the post-secondary level or entry into the workforce with advanced skills. Students are selected according to: career interest, academic situation and credit attainment, attendance, and educational experiences needed to be successful in a given program.

ALL vocational programs have an application process in order to be considered for admission. Some programs are more selective and may also require students to complete an interview.

Programs are currently available in two locations:

- Angola / Angola High School

- Impact Institute in Kendallville

Students attending programs in Kendallville will be required to ride to and from their programs in school-sponsored transportation. Failure to abide by this requirement may result in the student being removed from the program.

Students and their parents should be aware that the Angola High School calendar and the Impact Institute calendar will usually differ. Students are expected to attend their vocational program when it meets. AHS attendance expectations will apply to vocational programs outside our building and loss of credit may occur for excessive absences.

Students choosing to earn the Core 40 with Technical Honors diploma must choose a program or combination of programs that will satisfy all of the requirements of this diploma (please see the Core 40 with Technical Honors diploma chart for your respective graduation year)

The following tables shows the programs and their program credits and dual high school / college credits that can be used when working toward the Core 40 with Technical Honors diploma. If you should have questions about this information, please talk with your guidance counselor.

All vocational programs with the exception of Career Exploration Internship A or B last all year and use 3 periods in a student's schedule.

Impact Institute Programs (Kendallville)

The Impact Institute administers several programs in Kendallville that provide vocational opportunities for students in areas that are not available in their home school. Applications with references and/or interviews are part of the selection process, including attendance, prerequisite courses, and interest in the skill area. **All students admitted to the program must commit for the entire length of program.** Specific information is available from the guidance department. Students may earn certification in the area of concentration and/or dual credits in many of the programs. The following programs are available:

Automotive Collision Repair I A & B (Principles of Collision Repair, Automotive Body Repair, Plastic Body Repair and Painting Fundamentals)

Automotive Collision Repair II A & B (Collision Repair Capstone)

2 semesters 6 credits Grades 11-12

Formal training in Auto Collision Repair is highly desirable because advances in technology in recent years have greatly changed the structure, components, and even materials used in automobiles. Our program is designed to provide the latest in practical, hands-on coursework driving by current industry standards and the basic skills required for employment in the auto body industry. All phases of auto collision damage, repair, replacement and repainting will be covered. Some techniques include welding, masking, sanding and painting.

Automotive Services I A & B (Principles of Automotive Service, Brake Systems, Steering and Suspension)

Automotive Technology II A & B (Automotive Service Capstone)

2 semesters 6 credits Grades 11-12

The Automotive Technology program is designed to meet the needs of those students who plan to pursue a career in automotive technology. This course meets the guidelines of NATEF/ASE Certification in the certification areas of Brakes, Electrical/Electronics, Engine Performance, Heating and Air Conditioning and Suspension and Steering. Students completing the two-year program will earn one-year credit towards their ASE Certification and may earn up to 12 hours of dual credit through IVY Tech State College.

Construction Trades I A & B (Principles of Construction Trades, General Carpentry, Framing and Finishing)

Construction Trades II A & B (Construction Trades Capstone)

2 semesters 6 credits Grades 11-12

The Construction Trades program is offered to students during their junior and/or senior year. This program teaches students the skills necessary to build a house beginning with the foundation and ending with the finish work. Students who complete this course for the 2nd year have the opportunity to specialize in an area of construction such as plumbing or electrical. Completion of two years of Construction Trades can earn a student advanced standing or credits at Ivy Tech State College in their Building Construction Technology program

Cosmetology I A & B (Principles of Cosmetology, Cosmetology Fundamentals, Advanced Cosmetology)

Cosmetology II A & B (Cosmetology Capstone)

2 semesters 6 credits Grades 11-12

Students enrolled in this program receive 1,500 hours of training during the two-year program in areas such as hair cutting, coloring, perms, facials, facial make-up, bacteriology, nails and nail disorders, chemistry, personal grooming and many more areas. Training follows the state-mandated curriculum with the goal of students earning their cosmetology license upon successful completion of the State Board exam. Students receive Indiana Essential Skills and Technical Proficiencies Certification and may earn up to 12 hours of dual credit through IVY Tech State College.

Primary Health Care A & B (Principles of Healthcare, Medical Terminology, Healthcare Specialist: CNA)

2 semesters 6 credits Grades 11 or 12

Students enrolling in Primary Health Care will be involved in a year-long course of intensive training. Students should be team players, have empathetic personalities, be organized, and have great critical thinking and interpersonal communication skills. Training in this program prepares students for a career in the health care industry. Broken down into two sections, Primary Healthcare is a year-long course for students interested in nursing and direct patient/resident

care as well as learning the duties and responsibilities of administrative and clinical medical assistants. The first section of the course takes students through the Certified Nursing Assistants (CNA) certification process with the Indiana State Department of Health, Long Term Care CNA Curriculum. This curriculum includes a required 30 hours of classroom instruction; demonstration and practice of 48 skills, and 75 hours of clinical work at a long-term care facility. The second section of the course focuses on basic skills that one might see performed in a doctor's office or out-patient facility. Various instructional strategies and technologies will be used to give students the opportunity to gain additional knowledge of anatomy, physiology, and medical terminology. Health Care Provider CPR certification and First Aid training are also obtained during this portion of the class.

HVAC I A & B (Principles of HVAC, HVAC Fundamentals, HVAC Service)

HVAC II A & B (HVAC Capstone)

2 semesters 6 credits Grades 11-12

The HVAC program is a two year program. Basic skills taught in this program include basic electricity and wiring fundamentals, the fundamentals of plumbing and the working and installation systems of heating, ventilation, air conditioning and refrigeration, sheet metal patterns, welding, soldering. The goals of the program are to train the students for entry level job positions, encouraging them to further their knowledge in following apprenticeship programs and technical school. Students completing the two year program earn one year credit towards Association of Builders and Contractors (ABC) apprenticeship training in heating, ventilation, air conditioning and refrigeration.

Digital Design I A & B (Principles of Digital Design, Digital Design Graphics, Interactive Media Design)

Digital Design II A & B (Digital Design Capstone)

2 semesters 6 credits Grades 11-12

The Digital Design program is designed to teach creative individuals how to improve their skills while helping to develop an eye for design and translate that knowledge into a career. This course will teach students to communicate ideas through different media with exposure to video, print, motion graphics, and the web. Some possible areas of study within the 2 years of instruction will include, but are not limited to: music and video recording; editing, and mixing; game design and development, including motion graphics, 3D graphics and animation; branding/marketing through computer graphics; and more. Some possible career paths within the program and post-secondary education may include: graphic designer, flash designer, illustrator, web designer, web developer, production artist, digital media artist, 3D modeler, visual effects artist, web content developer, and video editor.

Recreational and Mobile Equipment I, II A & B (formerly Marine Mechanics)

2 semesters 6 credits Grades 11-12

The Recreational and Mobile Equipment program is the only one in the United States to have earned the Marine Industry Certification. The program is organized to provide classroom and lab experiences to prepare students for employment in the broad area of the boating industry. Students completing the two year program will earn their MIC certification. Instruction covers many facets of the industry including, outboard and stern drive engine repair, repair and testing of stern drive lower units, steering mechanisms, hull repair and detailing, trailer adjustments, winterizing of engines, boat handling and safety of operation, troubleshooting mechanical and electrical problems, customer relations, EFI troubleshooting and other areas. Students may be able to test out of portions of Louisville Technical Institute's and MMI's marine mechanics programs. Students will earn Indiana Essential Skills and Technical Proficiencies Certification.

Precision Machining I A & B (Principles of Precision Machining, Precision Machining Fundamentals, Advanced Precision Machining)

Precision Machining II A & B (Precision Machining Capstone)

2 semesters 6 credits Grades 11-12

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

Industry 4.0 I A & B (Principles of Smart Manufacturing, Robotics Design and Innovation, Smart Manufacturing Systems)

Industry 4.0 II A & B (Smart Manufacturing Capstone)

2 semesters 6 credits Grades 11-12

Students enrolling in the Industry 4.0 program will explore Industry 4.0 technologies, including artificial intelligence, human to robot collaboration, CAD, CNC, mechatronics, programmable automation, cloud technologies, cyber security, and electrical systems. Students will complete hands-on labs, virtual simulations, projects, and critical thinking assignments. They will also work within a team structure as they build a working prototype of an Industry 4.0 system. The courses will prepare students for industry-base certifications.

Welding I A & B (Principles of Welding Technology, Shielded Metal Arc Welding, Gas Welding Processes)

Welding II A & B (Welding Technology Capstone)

2 semesters 6 credits Grades 11-12

The Welding program is designed to prepare students to join the workforce or continue their education. The main emphasis is placed on theory and practice of shielded metal arc welding, shielded metal gas, welding, gas tungsten, arc welding, plasma arc cutting and oxyacetylene cutting. Students are also instructed on safely setting up and operating horizontal saws, chop saws, ironworkers, power shears, drill presses and brakes and hand grinders. The equipment used is of the latest technology available with the tigs and migs having computerized pulse capabilities. The welding program follows the American Welding Society (AWS) curriculum which offers students the opportunity to earn AWS, Level 1 certification. This certification will be recognized throughout the United States, Canada and much of the world. Students may earn up to 15 hours of dual credit through IVY Tech State College.

Impact Institute Programs (Angola)

7195 Principles of Fire and Rescue

2 semesters 2 credits Grades 12

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

7189 Fire Fighting Fundamentals

2 semesters 2 credits Grades 12

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

7186 Advanced Fire Fighting

2 semesters 2 credits Grades 12

Advanced Fire Fighting expands upon the principles and techniques of firefighting learned in Fire Fighting Fundamentals. Students will study fire protection systems, firefighter safety and survival. Students will also learn what fire is, the chemical hazards of combustion, and related by-products of fire. Additionally, students will gain a better understanding of fire department organization, administration, operations, and basic strategies and tactics. **This course may be taken for dual credit from Ivy Tech Community College.**

7229 Fire and Rescue Capstone/EMT

2 semesters 2 credits Grades 12

Fire and Rescue Capstone will prepare students to earn the EMT certification. **This course may be taken for dual credit from Ivy Tech Community College.**

Criminal Justice A & B (Principles of Criminal Justice, Law Enforcement Fundamentals, Corrections and Cultural Awareness)

2 semesters 6 credits Grades 11 or 12

This course provides students with an introduction to Criminal Justice professions such as police officer, FBI agent, secret service agent, attorney, paralegal, probation officer, law clerk, state trooper, detectives and others. Students will study criminal justice careers through classroom theory, field trips, personal guest speakers, hands on experiences and case studies. Students will explore organized crime, fingerprinting, criminal patterns, interrogations, arrest procedures, crime scene investigation, patrol techniques, evidence and collection, traffic accident investigations, report writing, constitutional rights and many other areas related to criminal justice careers. Upon successful completion of the Criminal Justice program, students will have the opportunity to earn three hours dual credit from Vincennes University. Housed at the Angola Police Department.