AVON
HIGH SCHOOL

2027-2028
PROGRAM OF STUDIES

GRADES 9-12



POLICIES



COURSE DESCRIPTIONS



PROCEDURES

COVER DESIGNER

drashti patel

STATEMENT OF PURPOSE

Dear Avon High School Students and Families,

Welcome to your next – or for our freshmen, your first – year of high school!

Our goal is for every Avon High School student to graduate with a meaningful post-secondary plan. This Program of Studies is a key resource in helping you identify the courses that line up with your career interests. As you work with our school counselors and teachers in course selection, select classes based on where you hope to head in the world of work. Talk as a family and make thoughtful decisions about how each semester helps you achieve your goals. Your Avon High School counselors look forward to working with you on a plan that is the best fit for you.

Yours in Education,
Matt Shockley
Principal, Avon High School

WHAT DOES IT TAKE TO GRADUATE FROM AVON HIGH SCHOOL?

A minimum of 47* credits are required for any of the Indiana diploma designations at Avon High School: Core 40 with Academic Honors, Core 40 with Technical Honors, Core 40, General, New Indiana Diploma, Indiana Diploma with Enrollment, Employment or Enlistment and Service Seal.

Students in the class of 2028 earn a diploma through an Indiana Graduation Pathway:

- Completion of a minimum of 47* credits for the appropriate diploma (see pages 4-5)

AND

- Learn and demonstrate employability skills through completion of a project-based learning, service-based learning, or work-based learning experience (see page 6)

AND

- Demonstrate post-secondary competencies (see pages 6-7) by meeting criteria for one of the following:
    A. Earning an Academic or Technical Honors Diploma
    B. Minimum scores on college admission testing: ACT: 18 English or 22 Reading AND 22 Math or 23 Science; or
    C. SAT: 480 Evidence-Based Reading and Writing and 530 Math
    D. Industry-based certification
    E. Minimum score of 31 on the Armed Forces Qualifying Test (also known as ASVAB)
    F. C average for 3 Dual Credit/AP courses
    G. C average in at least 2 non-duplicative advanced courses within a career pathway

Students in the classes of 2029, 2030, and 2031 earn a diploma through an Indiana Graduation Pathway:

- Completion of a minimum of 47* credits for the appropriate diploma (see pages 3-6)

AND

- Learn and demonstrate employability skills through completion of a project-based learning, service-based learning, or work-based learning experience (see page 7)

AND

- Demonstrate post-secondary competencies (see page 7) by meeting criteria for one of the following:
    A. Earning an Enrollment, Employment or Enlistment Honors Seal
    B. Minimum scores on college admission testing: ACT: 18 English or 22 Reading AND 22 Math or 23 Science; or
    C. SAT: 480 Evidence-Based Reading and Writing and 530 Math
    D. Industry-based certification
    E. Minimum score of 31 on the Armed Forces Qualifying Test (also known as ASVAB)
    F. C average for 3 Dual Credit/AP courses
    G. C average in at least 2 non-duplicative advanced courses within a career pathway

*students with an Individual Education Plans (IEP) may elect for a credit plan under House Enrolled Act 1519

TABLE of CONTENTS

INDIANA DIPLOMA INFORMATION FOR THE CLASS OF 2028 4
DIPLOMA COMPLETION AND GRADUATION 4
INDIANA DIPLOMA DESIGNATIONS 4
EMPLOYABILITY SKILLS 5
POST-SECONDARY COMPETENCIES 6
INDIANA DIPLOMA INFORMATION FOR CLASSES OF 2029, 2030, and 2031 10
INDIANA DIPLOMA 11
INDIANA HONORS SEAL DIPLOMAS 12
STATEWIDE TESTING FOR INDIANA STUDENTS – CLASS OF 2028 AND BEYOND 14
REPEATING A COURSE 14
GUIDELINES FOR COLLEGE-BOUND STUDENTS 14
NAVIANCE STUDENT 14
COLLEGE READINESS AND ADMISSIONS EXAMINATIONS 15
COLLEGE CREDIT OPPORTUNITIES 15
INDIANA COLLEGE CORE 15
CHANGES IN PRE-ENROLLED CLASS SELECTIONS 17
COURSE CHANGE REQUESTS DURING THE SCHOOL YEAR 18
EARLY AND MID-TERM GRADUATES 18
GRADE POINT AVERAGE (GPA) 19
COURSES TAKEN IN THE MIDDLE SCHOOL FOR HIGH SCHOOL CREDIT 19
PHYSICAL EDUCATION CREDITS – WAIVERS AND CREDIT LIMITS 20
CLASS RANK (VALEDICTORIAN & SALUTATORIAN) CLASS OF 2028 20
LATIN HONORS SYSTEM CLASSES OF 2029, 2030, and 2031 20
STUDENT MATERIAL FEES 20
COURSE WEIGHTING 22
COURSE WEIGHTING CLASSES OF 2029, 2030, and 2031 23
ACADEMIC LETTERS 24
INDIANA HIGH SCHOOL ATHLETIC ASSOCIATION ACADEMIC REGULATIONS 24
NAIA & NCAA DIVISION I/II ELIGIBILITY 25
ONLINE EDUCATION CENTER (OEC) 25
REMOVAL FROM A COURSE 25
STUDY HALLS 25
TEACHER ASSISTANTS 25
ENROLLMENT AND TRANSFER CREDITS 25
SUMMER SCHOOL COURSES 26
AVON HIGH SCHOOL 2027-2028 SCHEDULING YEAR 27
AREA 31 CAREER & TECHNICAL EDUCATION 22
AREA 31 CAREER PROGRAMS 2
BROADCASTING COURSES/AVON TV PROGRAM 25
BUSINESS COURSES 28
ENGINEERING COURSES 35
ENGLISH COURSES 41
FAMILY AND CONSUMER SCIENCES COURSES 51
MATHEMATICS COURSES 58
MULTILINGUAL LEARNER COURSE DESCRIPTIONS 65
PERFORMING ARTS COURSES 68
PHYSICAL EDUCATION & HEALTH COURSES 80
SCIENCE COURSES 86
SOCIAL STUDIES COURSES 100
SPECIAL EDUCATION: RESOURCE DEPARTMENT COURSES 109
VISUAL ARTS COURSES 119
WORLD LANGUAGE COURSES 128
NON-DEPARTMENTAL COURSES 133

INDIANA DIPLOMA INFORMATION FOR THE CLASS OF 2028

DIPLOMA COMPLETION AND GRADUATION

Students receiving a diploma from Avon High School must take required units of study from Avon, Avon Academy, a state-approved online program, or in the case of transfer students, other accredited high schools.

Students are expected to take 7 courses a semester. For a student to be in good standing and on track, the following number of credits should be completed at the end of each of the following grade levels: 9th grade: 11 credits; 10th grade: 23 credits; 11th grade: 34 credits. All credits required for graduation must be satisfactorily completed by the seniors' last day of regular attendance to participate in the graduation ceremony.

INDIANA DIPLOMA DESIGNATIONS

Students in the class of 2028 are required to complete a Graduation Pathway to earn any Indiana diploma. See page 2.

CORE 40

English/Language Arts	**8 credits** in grade level English or equivalent
Mathematics	**6 credits** 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II (All students must earn 6 math credits after entering high school. In addition, students must be enrolled in a math or quantitative reasoning course each year of high school.)
Science	**6 credits** 2 credits: Biology I 2 credits: Chemistry, Physics, or Integrated Chemistry/Physics 2 credits: Any Core 40 science course
Social Studies	**6 credits** 2 credits: US History 1 credit: US Government 1 credit: Economics 2 credits: Geography & History of the World or World History
Directed Electives	**5 credits** World Languages* Fine Arts Career and Technical Education
Physical Education	**2 credits**
Health and Wellness	**1 credit**
Preparing for College & Careers	**1 credit**
Electives	**12 credits** (College and Career Pathway courses recommended) **47 total credits**

*Entrance into some college programs may require additional courses. For example, many engineering programs require four years of high school math. Some colleges now require 2 years of foreign language to meet entrance requirements. While many advanced courses are not absolutely necessary for college entrance, they may be helpful in preparing you for college work.

CORE 40 WITH ACADEMIC HONORS

For the Core 40 with Academic Honors designation, students must meet Core 40 requirements and must also:

- Earn 2 additional Core 40 math credits (Note: All students must earn 6 math credits after entering high school. In addition, students must be enrolled in a math or quantitative reasoning course each year of high school)
- 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 "C-" or above in courses that will count toward the diploma*
- Have a grade point average of 2.7 or above, and
- Complete one of the following:
    A. Complete 4 credits in two or more AP courses and take the corresponding College Board AP exams
    B. Complete 6 verifiable, transcripted college credits in dual credit courses from the approved dual credit list

C. Complete a combination of AP courses 2 credits and corresponding AP exams and dual high school/college credit course(s) from the approved dual credit list resulting in 3 verifiable, transcripted college credits
D. Complete the SAT test with a composite score of 1250 or higher and a minimum score of 530 on the math section and a 480 or higher on the evidence-based reading and writing section (EBRW)
E. Complete the ACT test with a composite score of 26 or higher and completion of the written section

CORE 40 WITH TECHNICAL HONORS

For the Core 40 with Technical Honors designation, students must meet Core 40 requirements and must also:

- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and earn one of the following:
  A. State approved, industry recognized certification or credential; or
  B. Pathway dual credits from the approved dual credit list resulting in 6 transcripted college credits
- Earn a grade of "C-" or above in courses that will count toward the diploma*
- Have a grade point average of 2.7 or above
- Complete one of the following:
  A. Any one of the options (A-E) of the Core 40 with Academic Honors (see above)
  B. Earn minimum WorkKeys scores: Reading for Information, Level 6; Applied Math, Level 6; and Locating Information, Level 5.
  C. Earn minimum Accuplacer scores: Writing: 80; Reading: 90; Math: 75
  D. Earn minimum Compass scores: Algebra: 66; Writing: 70; Reading: 80

* Only courses in which a student has earned a grade of "C-" or above may count toward a Core 40 with Academic Honors or Core 40 with Technical Honors designation. If a student earns a grade lower than a "C-", that course cannot count toward the total 47 required credits and the student will need to earn additional credits with a "C-" or above to achieve the total 47 credits. A student may repeat a course for a better grade (see Repeating a Course) or may take another course that will meet the standard, if another choice is available in that subject. For example, if a student earns a "D" in Intro 2 D Art, he/she may take Technical Theatre and attempt to earn a "C-" or better (for the fine art credit).

GENERAL DIPLOMA (Not available for class of 2029 and after)

To graduate with the General Diploma designation, the following formal opt-out process must be completed:

- The student, the student's parent/guardian, and the student's counselor (or another staff member who assists students in course selection) meet to discuss the student's progress.
- The student's career and course plan are reviewed.
- The student's parent/guardian determines whether the student will achieve greater educational benefits by completing the general curriculum or the Core 40 curriculum.
- If the decision is made to opt out of the Core 40 designation, the student is required to complete the course and credit requirements for a general diploma and the career/academic sequence the student will pursue is determined.
- A Core 40 Opt-out Form must be completed and signed by all participants; a copy of the form must be placed in the student's permanent record.

EMPLOYABILITY SKILLS

Indiana students must also demonstrate employability skills through project-based, service-based, or work-based learning experiences. The following list includes options for Employability Skills at Avon High School as of Fall 2026 and is subject to change.

Project-Based Learning

- Technical Communication
- PLTW Digital Electronics
- PLTW Biomedical Innovations
- PLTW Medical Interventions
- Robotics and Innovation

Service-Based Learning

- Peer Tutoring
- JROTC
- Clubs (i.e. AIM, DECA, Interact, Peer Pals) active member (Sponsor verification)
- Athletics: Full season (Coach or Athletic Department verification)
- Marching Band, Color Guard, Show Choir, Dance Team (Teacher verification)
- Community Service (i.e. Scouts, long-term community service, mission trips)

Work-Based Learning

AT AHS/AVON ACADEMY

- Work Based Learning Internship
- Cadet Teaching
- Career Exploration Internship

AREA 31

- See page 20

Employment

- 100+ hours, verification required

POST-SECONDARY COMPETENCIES

The third and final component of completing a Graduation Pathway is a post-secondary competency that is demonstrated through diploma type, readiness scores, certification, or coursework.

Select ONE Competency that has been met:

- AHD or THD
- C Average for 3 AP/Dual Credit Classes
- ACT: 18 English or 22 Reading **AND** 22 Math or 23 Science
- SAT: 480 EBRW, 530 Math
- ASVAB: 31 or higher
- State/Industry Certificate
- C Average for coursework in a Career Concentrator

Students can meet the post-secondary competencies requirement for a Graduation Pathway through a Career Concentrator. Career Concentrators are met with certain Career/Technical Education (CTE) courses. The following charts list the Career Concentrators available at Avon High School and the courses required to fulfill them. Students must complete these courses with at least a C average.

The course descriptions are found in the respective department sections.

CTE programs can be explored in the Indiana CTE Career Guide.

Career Pathways/Programs of Study - Cohorts: Classes of 2028, 2029, 2030, 2031				
Career Pathway	**Example Careers**	**Principles Course**	**Concentrator Course A**	**Concentrator Course B**
Advanced Manufacturing Biotechnology	Pharmaceutical Manufacturing	Principles of Biotechnology	Biotech Manufacturing	Adv. Biotech Manufacturing Biotech Regulatory Affairs ***beginning in 28-29***
Biomedical Sciences & Technology	Nurse, Medical Technician	Principles of Biomedical Sciences	Human Body Systems or Anatomy & Physiology	Medical Interventions
Business Administration	Business Manager	Principles of Business Management	Marketing Fundamentals	Accounting Fundamentals OR Strategic Marketing
Business Administration	Business Manager	Principles of Business Management+	Management Fundamentals: Business Law	Accounting Fundamentals
Construction Trades Carpentry	Construction Worker	Principles of Construction Trades	Construction Trades: General Carpentry	Construction Trades: Framing & Finishing
Early Childhood Education	Preschool Teacher/Coordinator	Principles of Early Childhood Education	Early Childhood Education Curriculum	Early Childhood Education Guidance
Education Careers	Teacher	Principles of Teaching+	Child & Adolescent Development (Cadet Teaching)	Teaching & Learning (Cadet Teaching)
Engineering	Engineer	Introduction to Engineering Design	Principles of Engineering	Digital Electronics
Engineering Design Technology	Engineer	Introduction to Engineering Design	Mechanical & Architectural Design	Manufacturing Principles & Design
Social and Community Services	Social Worker/Health Care Worker/Counselor	Principles of Human Services	Fundamentals of Human Service	Advanced Social and Community Service ***beginning in 27-28***
Interior Design	Interior Designer	Principles of Interior Design	Interior Design Fundamentals	Materials Finishes and Design ***beginning in 27-28***
Marketing and Sales	Sales Manager	Principles of Business Management	Marketing Fundamentals	Strategic Marketing
Radio & Television Broadcasting	TV/News Producer	Principles of Broadcasting	Audio & Video Production Essentials	Mass Media Production

+Also part of the Civic Arts Local Pathways

Avon High School is pleased to offer a state-approved pathway in Civic Arts. The Civic Arts pathway is earned through successful completion of required coursework **AND** community-based experiences including internships and community service that demonstrate employability skills. An e-portfolio documents the completion of all elements of the Civic Arts pathway. Students interested in the Civic Arts pathway should work closely with their counselor.

Civic Arts Local Pathways – Cohort: Classes of 2028, 2029, 2030, and 2031				
Civic Arts Pathway	**Example Careers**	**Required Coursework I**	**Required Coursework II**	**Required Coursework III**
Visual Arts 2-D Path	Art Teacher/2-D Business Owner	Intro to 2-D **AND** Advanced 2-D	Principles of Teaching **OR** Principles of Business Management	Drawing I **AND** Drawing II **OR** Drawing I **AND** Painting I **OR** AP 2-D Art and Design
Visual Arts Digital Path	Art Teacher/Digital Designer/Business Owner	Digital Design **AND** Digital Design II	Principles of Teaching **OR** Principles of Business Management	AP 2-D Art and Design: Digital Design
Visual Arts 3-D Path	Art Teacher/3-D Business Owner	Intro to 3-D **AND** Ceramics I	Principles of Teaching **OR** Principles of Business Management	Ceramics II **AND** Sculpture
Band	Band Teacher/ Band Director	Black or Gold Band **OR** Jazz Band	Principles of Teaching **OR** Principles of Business Management	Concert Band **OR** Symphonic Band
Choir	Choir Teacher/ Choir Director	Black & Gold Choir **OR** Oriole Choir	Principles of Teaching **OR** Principles of Business Management	Symphonic Choir **OR** Chamber Singers **OR** Attraction **OR** Accents **OR** Allegros
Orchestra	Orchestra Teacher/ Orchestra Director	Concert Orchestra **OR** Sinfonia Orchestra **OR** Intermezzo Orchestra	Principles of Teaching **OR** Principles of Business Management	Concert Orchestra **OR** Sinfonia Orchestra **OR** Intermezzo Orchestra
Theater	Theatre Director/ Producer	Theatre Arts **AND** Technical Theatre	Principles of Teaching **OR** Principles of Business Management	Theatre Production **AND** Advanced Theatre Arts
Dance	Dance Teacher/ Dance Business Owner	Dance Choreography I **AND** Dance Choreography II **AND** Dance Choreography III	Principles of Teaching **OR** Principles of Business Management	Dance Company **OR** Advanced Dance Technique

Career Concentrator CTE courses are also available through Area 31 Career Center as shown below for interested junior and senior students. A student enrolling in these programs is strongly encouraged to complete the entire two years of the program. The majority of the programs at Area 31 Career Center are two-year programs. Students may earn two or three credits per course based on the Career Center's semester. Many of the programs at Area 31 Career Center also offer dual college credit with colleges such as Ivy Tech and Vincennes University. Students enrolled in this program spend half of their school day at the Ben Davis High School Area 31 Career Center (or another designated site) and half of their day at Avon High School. Course descriptions of the programs offered at Area 31 can be found on page 20. The following chart contains the Career Concentrators available through Area 31:

Career Concentrator Programs of Study through Area 31 Career Center		
Pathway/Program of Study	**Example Careers**	Coursework for Area 31 Career Concentrators is available in the online version of the Program of Studies on the School Counseling Department website.
Horticulture	Landscape design	
Construction	Carpenter	
HVAC	Heating and air technician	
Graphic Imaging	Designer	
Early Childhood	Preschool worker	
Pharmacy	Pharmacy technician	
Nursing	Certified Nursing Assistant	
Cosmetology	Hair stylist	
Culinary Arts	Chef	
Networking & Cyber Security	Computer technician	
Advanced Manufacturing	Engineer	
Machine Tech	Machinist	
EMT/Paramedic	Paramedic	
EMT/Paramedic	Firefighter	
Auto Collision	Auto mechanic	
Auto Tech	Auto mechanic	
Aviation Maintenance	Aircraft mechanic	
Tractor Trailer Operations	Tractor trailer Operator	
Art, AV Technology and Communication	Web designer	

INDIANA DIPLOMA INFORMATION FOR CLASSES OF 2029, 2030, and 2031

INDIANA DIPLOMA DESIGNATIONS

Students in the classes of 2029, 2030, and 2031 are required to complete a Graduation Pathway to earn any Indiana diploma. See page 2.

Overview of the New Indiana Diploma

Starting with the class of 2029, all students in the State of Indiana are required to meet new graduation requirements. An overview of these requirements is described on this page.

Graduation and diploma requirements are set by the state. All schools issuing an Indiana diploma must meet these requirements. Though schools and school districts may offer differing courses, they have no flexibility to change the basic diploma structure.

Though new required courses have been added, you will find increased flexibility for students. You will also find great encouragement for students to explore employment and enlistment or service readiness.

The structure of The New Diploma is a base diploma that everyone will need to earn. Optional honors seals may be added to the base diploma. Honors seals are earned through specific coursework, academic performance, work-based learning, and attendance. Differing seals have differing requirements.

The new graduation requirements can be a bit overwhelming at first. There are at least seven diploma combinations! Based on our previous student graduation trends, Avon HS feels extremely comfortable in our student's capacity to graduate, earn honors seals, and matriculate successfully to a variety of post-secondary experiences.

Language Changes

The new diploma sunsets traditional language used to describe Indiana's diplomas. By 2029, phrases like Core 40 and Academic Honors will be completely phased out. Starting with the class of 2029, new language will be used. Certain phrases, like graduation pathways and work-based learning, will continue as they are now.

The following chart shows current and new diploma language. It is important to note that both sets of describers will be used for the next three years until the class of 2028 graduates. Though current and new language have similar context, their meanings are different. For example, the current Technical Honors is not the same as the Employment Honors Seal.

Current "Old" Language (Ending with the class of 2028)	**New Language** (Starting with the class of 2029)
Core 40 Diploma	New Indiana Diploma (Core 42)
Academic Honors Diploma	Enrollment Honors Seal
Technical Honors Diploma	Enrollment Honors Plus Seal
	Employment Honors Seal
	Employment Honors Plus Seal
	Enlistment & Service Honors Seal
	Enlistment & Service Honors Plus Seal

Starting with the class of 2029, the foundational diploma required of all students will be The New Indiana Diploma.

In addition to this foundational diploma, students will have the opportunity to earn one or more of six readiness seals. These seals are organized into the categories of enrollment, employment, and enlistment & service as shown in the following table:

New Indiana Diploma	**ENROLLMENT**	**EMPLOYMENT**	**ENLISTMENT & SERVICE**
	Honors Seal	Honors Seal	Honors Seal
	Honors Seal Plus	Honors Seal Plus	Honors Seal Plus

A readiness seal is not required for graduation. However, if a student does not earn a readiness seal, they will need to complete a graduation pathway, demonstrate employability skills, and demonstrate post-secondary readiness, something all graduates currently must accomplish.

Here are examples of diploma/seal combinations:

- Student A: New Indiana Diploma with a required graduation pathway, employability skills, and post-secondary readiness
- Student B: New Indiana Diploma with an Enrollment Honors Seal
- Student C: New Indiana Diploma with an Employment Honors Plus Seal
- Student D. New Indiana Diploma with an Enlistment & Service Honors Plus Seal and an Employment Honors Seal.

As you can see, students must earn the New Indiana Diploma. Readiness seals on the other hand, are not required but additions recognizing further achievement. Also, the seals are not exclusive of each other and may be earned in combination.
Again, if a student does not earn an honors seal, they must achieve a graduation pathway, demonstrate employability skills, and demonstrate post-secondary readiness. Students who earn an honors seal do not have to meet these requirements.

INDIANA DIPLOMA

This option requires completion of the three components listed below:

- 47 Credits
- Employability Skills
- Post-Secondary Readiness Competency Skills

47 Credits (as required by Avon High School)

English	**8 Credits**	● 2 credits: English 9 ● 1 credit: Communications-Focused course ● 5 additional English credits
Math	**7 Credits**	● 2 credits: Algebra I ● 1 credit: Personal Finance ● 4 additional Math credits
Science, Technology, Engineering	**7 Credits**	● 2 credits: Biology ● 1 credit: Computer Science ● 2 additional Science credits ● 2 STEM-Focused credits
Social Studies	**5 Credits**	● 2 credits: Geography & History of the World ● 2 credits: US History ● 1 credit: US Government
PE/Health	**2 Credits**	● 1 credit: Physical Education (Can be taken during MS) ● 1 credit: Health & Wellness
Preparing for College & Careers	**1 Credit**	● Completed during the 9th grade year
Personalized Electives	**17 Credits**	● Students are encouraged to utilize the new readiness-seals to align these personalized electives. Personalized electives can include Career Technical Education (CTE), Performing or Fine Arts, and World Languages.
Total Credits:	**47 Credits**	

Employability Skills

Learn and Demonstrate Employability Skills	Indiana students must also demonstrate employability skills through project-based, service-based, or work-based learning experiences. The following list includes options for Employability Skills at Avon High School as of Fall 2025 and is subject to change. **Project-Based Learning** • Technical Communication • PLTW Digital Electronics • PLTW Biomedical Innovations • PLTW Medical Interventions • Robotics and Innovation

	Service-Based Learning • Peer Tutoring • JROTC • Clubs (i.e. AIM, DECA, Interact, Peer Pals) active member (Sponsor verification) • Athletics: Full season (Coach or Athletic Department verification) • Marching Band, Color Guard, Show Choir, Dance Team (Teacher verification) • Community Service (i.e. Scouts, long-term community service, mission trips) **Work-Based Learning** • Work Based Learning Internship • Cadet Teaching • Career Exploration Internship **AREA 31**

Post-Secondary Readiness Competencies

One of the seven options on the right is required for graduation. *Please select one as a primary goal and one as a secondary goal. *Benchmark scores for SAT, ACT, and ASVAB may change.	1. ACT Score at or above the National College Ready Benchmark • 18 English or 22 Reading AND • 22 Math or 23 Science 2. SAT Score at or above the National College Ready Benchmark • Evidence Based Reading and Writing 480 • Math 530 3. Complete at least one of the Honors Seal or Honors Seal Plus 4. C average in three AP/Dual Credit courses • 1 of 3 in a core content area or 3 of 3 in a career & technical sequence 5. Armed Services Vocational Aptitude Battery (ASVAB) • Minimum test score of 31. Offered to students interested in military service or students who have not met other competencies. Students and families must sign an intent to enlist form to be kept in their cumulative file. 6. State and Industry Recognized Credential or Certification 7. Career and Technical (CTE) Concentrator Pathway or Local Civic Arts Pathway • C average in 3 courses within a particular pathway; some programs require specific prerequisites.

*Entrance into some college programs may require additional courses. For example, many engineering programs require four years of high school math. Some colleges now require 2 years of foreign language to meet entrance requirements. While many advanced courses are not necessary for college entrance, they may be helpful in preparing you for college work.

INDIANA HONORS SEAL DIPLOMAS

This option requires two components listed below: 47 credits, plus the opportunity to earn honors seals aligned with a student's unique path (found on the other side of the page). Students are encouraged to seize this flexibility by personalizing their high school experience. The new seals provide additional intentionality to maximize readiness and are designed to be permeable, allowing students to update their graduation plan and pivot, if their original interests and goals change.

47 Credits (as required by Avon High School)

English	**8 Credits**	● 2 credits: English 9 ● 1 credit: Communications-Focused course ● 5 additional English credits
Math	**7 Credits**	● 2 credits: Algebra I ● 1 credit: Personal Finance ● 4 additional Math credits (Specific to the seals)
Science, Technology & Engineering	**7 Credits**	● 2 credits: Biology ● 1 credit: Computer Science ● 2 additional Science credits ● 2 STEM-Focused credits

Social Studies	**5 Credits**	● 2 credits: Geography & History of the World ● 2 credits: US History ● 1 credit: US Government
PE/Health	**2 Credits**	● 1 credit: Physical Education (Can be taken during Middle School) ● 1 credit: Health & Wellness
Preparing For College & Careers	**1 Credit**	● Completed during the 9th grade year
Personalized Electives	**17 Credits**	Students are encouraged to utilize the new readiness-seals to align these personalized electives with their unique goals. Personalized electives can include a variety of courses, such as Career Technical Education (CTE), Performing or Fine Arts, and World Languages.
Total Credits:	**47 Credits**	Avon High School will continue to require students to receive more than the base number required by the Indiana DOE.

Although seals are optional, students are encouraged to utilize the blueprints below to focus their flexible credits into 3 connected areas that align with their future goals. Students may earn one or multiple seals.

Enrollment Honors Seal	**Employment** Honors Seal	**Enlistment** Honors Seal
World Language - 4 Credits Social Studies - 6 Credits Math - 8 Credits ● Algebra 1, Geometry, Algebra 2, and Pre-Calculus or any advanced Math credits Science - 6 Credits ● Biology, Chemistry, and Physics or any advanced lab Science credits Earn "C" or higher on all courses and cumulative GPA "B" average Complete *one* of the following: ● 4 AP Credits and take corresponding exams ● 6 College Credits ● 3 College Credits and 2 AP Credits with corresponding exams ● Score 1250 on SAT or 26 on ACT	Complete one of the following: ● Earn a market-driven credential of value aligned to a specific occupation ● 3 Courses in CTE Pathway ● An approved career preparation experience aligned to Indiana's Career Scholarship Account (CSA) program ● An approved, locally created pathway Complete 150 hours of Work-Based Learning (WBL) Demonstrate skill development in communication, collaboration, and work ethic Meet attendance goal-No more than 3 days of unexcused absences in one year or no more than 3 unexcused absences in 150 hours of WBL.	Complete one of the following: ● Introduction to Public Service course ● One year of JROTC in high school Achieve score of 31 on ASVAB and complete one of the following: ● All 3 components of the career exploration program ● A career exploration tool approved by DOE Meet attendance goal - No more than 3 days of unexcused absences in one year or no more than 3 unexcused absences in 150 hours of WBL. Demonstrate skill development in communication, collaboration, and work ethic ● Externally verified through a mentorship experience with current military personnel, veterans, or other public safety professionals
Enrollment Honors Plus Seal	**Employment** Honors Plus Seal	**Enlistment** Honors Plus Seal
Earn the Enrollment Seal, plus: Complete one of the following: ● Associate's degree ● Technical Certificate ● Indiana College Core ● AP Scholar with Distinction Complete 75 hours of work-based learning Demonstrate skill development in communication, collaboration, and work ethic (Verification form needed)	Earn the Employment Seal, plus: Complete one of the following: ● Indiana College Core ● Advanced Industry Recognized Certificate Complete 650 hours of work-based learning that may include: ● Pre-Apprenticeship ● Modern Youth Apprenticeship ● Internship ● Cadet Teaching Demonstrate skill development in communication, collaboration, and work ethic (Verification form needed)	Earn Enlistment Seal, plus: Complete one of the following: ● Achieve a score of 50 or higher on the ASVAB ● ROTC enrollment at collegiate level ● Acceptance to a service academy Demonstrate excellence in leadership through one of the following: ● Completion of at least 100 hours of public service ● Holding a leadership role in co/extracurricular ● Completion of two seasons of a team-based sport or activity

Students are eligible to receive more than one honors seal.
Please look at the requirements for the Honors and Honors Plus Seals for more information.

STATEWIDE TESTING FOR INDIANA STUDENTS – CLASS OF 2028 AND BEYOND

Indiana will use the school day SAT administration in March to fulfill requirements listed in Indiana Code 20-32-5.1-7(d) for high school accountability. Students may also use scores to fulfill some high school graduation requirements. SAT assesses high school Mathematics, Reading, and Writing standards in grade 11.

REPEATING A COURSE

1. Students must repeat a failed course that is required for graduation.
2. Students may choose to repeat any course in which they have received a D+, D, D-, F, or WF.
3. When a course is repeated, both the original attempt and the repeated attempt will remain visible on the transcript. The original grade will remain recorded but will not be included in the student's cumulative GPA or total earned credits once the course has been successfully repeated. Only the grade and credit from the repeated attempt will be included in cumulative GPA and credit totals.
4. If the grade earned in the repeated course is lower than the original grade, the original course's grade and credit will still be the one used for cumulative GPA and credit calculations, while the repeat grade remains on the transcript as a historical record.
5. A student may repeat a lower level of the same course provided the academic standards are equivalent for both courses. For example, a student who earns a D+ in English 10 Honors may opt to take English 10; both grades will appear on the transcript, but only the repeated course's grade and credit will be counted in GPA and credits.
6. If a student fails a required course, he/she may retake the course in summer school, through a state-approved online course, and/or through courses available in the Online Education Center at Avon High School.

GUIDELINES FOR COLLEGE-BOUND STUDENTS

Students are encouraged to check with each individual college of interest when planning high school courses due to variations in college entrance requirements. This can include contacting a college's admissions office and/or visiting the college on campus or talking to a college representative at one of our college and career mini fairs. College course/major requirements can be found on most college websites. Most colleges require at least 28 of the credits earned for high school graduation to be devoted to academic courses. College entrance requirements can change, so be sure to check each college's website often.

To prepare for college, students should do the following:

1. Take recommended college preparatory courses. The preferred curriculum for the best preparation for college is the Indiana Academic Honors or Technical Honors Diploma. Indiana Core 40 is the minimum standard to be followed. Please note, college entrance requirements differ from high school diploma requirements.
2. Take a rigorous course load appropriate to the student.
3. Maintain the best possible grade point average (GPA).
4. Take the PSAT in the fall of the sophomore and junior year and the PSAT 8/9 in the fall of the freshman year. Take the SAT and/or ACT in the winter/spring of the junior year and fall of the senior year. Be sure to send your SAT and ACT scores to Avon High School (CEEB school code 151-647) and up to 4 colleges for free from the testing agency.
5. Many college applications open August 1, so seniors are encouraged to apply early during the senior year. Some colleges and some highly competitive programs have earlier application deadlines.
6. Complete the FAFSA online beginning October 1 and submit as early as possible in the senior year to be considered for state and federal financial aid. Visit www.fafsa.ed.gov for more information on the FAFSA. Check with each college for their FAFSA deadline.

NAVIANCE STUDENT

Naviance Student is a web-based program that promotes college and career readiness for high school students. All Avon High School students and their parents have access to Naviance Student. Login information is available on the School Counseling page of the high school website.

Naviance Student applications include:

- *Courses* - Students can build their four-year plan and keep track of their progress throughout high school.
- *Careers* - Students can explore careers and interests. Students have access to multiple career interest inventories. In addition, students can watch short videos to learn more about potential careers through Roadtrip Nation.
- *Colleges* - Students can research colleges, enrichment programs, and scholarships. They can access school forms and can request transcripts to be sent electronically to more than 1,000 colleges. Sophomores, juniors, and seniors can also see the colleges and apprenticeship representatives that will be in attendance at the mini college and career fairs during the fall semester.

COLLEGE READINESS AND ADMISSIONS EXAMINATIONS

Avon High School Counseling Department recommends the following minimum testing program for college-bound students. Students may check published test dates and registration deadlines for the ACT and SAT in the School Counseling Office or online at www.actstudent.org and https://collegereadiness.collegeboard.org/sat. Avon High School's CEEB school code is: 151-647.

Grade 9	PSAT 8/9 in October
Grade 10	PSAT/NMSQT in October
Grade 11	PSAT/NMSQT in October
	Statewide school day SAT in March
	Weekend ACT and/or SAT recommended in spring
Grade 12	Weekend ACT and/or SAT recommended in early fall

COLLEGE CREDIT OPPORTUNITIES

PROJECT EXCEL—DUAL HIGH SCHOOL/COLLEGE CREDIT COURSES

Project Excel is a cooperative program between Vincennes University and Avon High School. Students are responsible for the tuition fees paid to Vincennes University; however, students who receive lunch/textbook assistance will have their fees waived. Students can earn both college credits and high school credits with these courses. Students must meet the criteria set by Vincennes University to receive the college credit, which is based on certain PSAT/SAT/ACT scores and/or the ACCUPLACER test. These courses are listed on the Indiana Core Transfer Library list and should therefore transfer to the other Indiana public colleges and many of the Indiana private colleges. These courses also allow the student to meet the additional requirements for earning a Core 40 with Academic Honors Diploma or Core 40 with Technical Honors Diploma.

IVY TECH COMMUNITY COLLEGE-DUAL HIGH SCHOOL/COLLEGE CREDIT COURSES

Avon High School also offers Ivy Tech dual credits for free through an agreement with Ivy Tech which may transfer to programs at various post-secondary institutions. Minimum scores on End-of-Course Assessments in the Project Lead the Way program are a required component for students to receive dual credit.

ADVANCED PLACEMENT PROGRAM (AP)

The College Board's Advanced Placement Program enables students to pursue college-level studies while still in high school. Avon offers a large array of AP courses. Based on their performance on rigorous AP exams, students can earn credit, advanced placement, or both for college. Each college has their own policy on using AP exam results. The 2028 College Board exam fee is $115.00 per exam. The state of Indiana has approved to pay for the 2028 math, English, and science exams, the US Government exam, and World Language exams for all grade levels up to three exams per student. All other exam fees are the responsibility of the student. The College Board and the state of Indiana provide a fee waiver for students qualifying for free/reduced lunch. Students who enroll in AP courses are expected to take the corresponding AP exam for each subject. Students should visit https://transferin.net/transfer-resources/transfer-databases/ap-courses/ to see how AP exam scores can transfer into college credits at Indiana colleges and universities.

INDIANA COLLEGE CORE

Do you want to get a head start on college? The **Indiana College Core** allows high school students to earn 30 general education credits that can be transferred as a block to any public college or university in Indiana, as well as some private institutions. In other words, students who earn the College Core in high school may already be finished with their first year of college at a fraction of the cost. To learn more about the Indiana College Core and put together your plan, use My College Core (mycollegecore.org) and work closely with your school counselor.

Ivy Tech Community College's Indiana College Core (ICC) prepares students for transfer to the baccalaureate-degree granting state institution of their choice. If at least 30 credits are accumulated and the ICC requirements are met, it is state mandated that the entire block of 30 college credits will be transferred to any public university in Indiana. This 30-credit hour block of courses is equal to a full year of college coursework. Students who complete the ICC requirements will have met the requirements for this Transfer General Education Core Certificate and will have this noted on their transcript.

Avon High School will offer the following ICC courses through dual credit and Advanced Placement opportunities at AHS. With the proper course selections and by demonstrating college readiness, a student can complete the entire ICC certificate with minimal cost to the student.

Ivy Tech Community College or Other Dual Credit Partner	**Avon High School Dual Credit (DC) Course Or Advanced Placement Course** (Min score on the AP Test needed for credit)	**ICC General Pathway**
Speaking and listening ***3 required credits min-6 credits max***		***3-6 credits***
Vincennes University	VU COMM 143 **1777** (1 semester) (3 credits)	
Written Communication ***3 required credits min-6 credits max***		***3-6 credits***
Ivy Tech Community College	IVY ENGL 111 ENGLISH COMP **6727T** (1st semester Grade 12) (3 credits)	
	AP Language & Composition. (Full Year) Score of 4,5 = Engl 111 (3 credits) Score of 5 = ENGL111 & ENGL 215 (6 credits)	
Quantitative Reasoning ***3 required credits min-15 credits max***		***3-15 credits***
Ivy Tech Community College	IVY MATH 136 Semester 1 **6783T** (3 credits) should be taken with Math 137	
Ivy Tech Community College	IVY MATH 137 Semester 2 **6784T** (3 credits) should be taken with Math 136	
Ivy Tech Community College	IVY MATH 135 FINITE 1 semester **0798T** (3 credits)	
	AP Calculus A/B ACE Score of 3,4,5 = Math 211	
	AP Calculus B/C ACE Score of 3 = Math 211 Score of 4,5 = Math 212	
	AP Statistics Scores of 3, 4, 5 = Math 200	
Scientific Ways of Knowing ***3 required credits min- 15 credits max***		**3-15 credits**
Ivy Tech Community College	IVY BIOL 101 Full Year **3026F/3026S** (3 Credits)	
	AP Biology Score of 3 = Bio 101 (3 credits) Score of 4= Bio 105 (5 credits) Score of 5= 105 and 107 (10 credits)	
	AP Chemistry Score of 3=C hem 101 (3 credits) Scores of 4,5 = Chem 125 and 126 (10 credits)	
	AP Physics C/Electricity and Magnetism Score of 3 = Physics 102 (4 credits) Scores of 4,5 Physics 221 (5 credits)	
	AP Physics C/Mechanics Scores of 3 = Physics 101 (3 credits) Scores of 4,5 = Physics 220 (5 credits)	
Social and Behavioral Ways of Knowing ***3 required credits min – 15 credits max***		**3-15 credits**
Ivy Tech Community College	IVY HIST 101 semester 1 **1021T** (3 credits) Should be taken with HIST 102	
Ivy Tech Community College	IVY HIST 102 semester 2 **1022T** (3 Credits) Should be taken with HIST 101	
	AP Macroeconomics Score of 3,4,5 = Econ 201 (3 credits)	
	AP Microeconomics Score of 3,4,5, = Econ 202 (3 credits)	

	AP Psychology Score of 3,4,5 = Psych 101 (3 credits)	
	AP Government Score of 3,4,5 = Poli Sci 101 (3 credits)	
	AP US History Score of 3,4,5 = Hist 101 and 102 (6 credits)	
	AP World History Score of 3,4 = HIST111 (5 credits) Score of 5 = Hist 111,112 (6 credits)	
Humanistic and Artistic Ways of Knowing ***3 required credits min- 15 credits max***		**3-15 credits**
Ivy Tech Community College	IVY ENGL 206 INTRO to LIT **6728T** (2nd semester grade 12) (3 credits)	
Ivy Tech Community College	IVY HUMA100 THEATRE APPRECIATION **4260FD** (1 semester) (3 credits)	
Indiana University	IU ART HIST 100 Intro to Art History **4260SD** (3 credits)	
Ivy Tech Community College	IVY SPAN 101/IVY SPAN 102 Honors **2152/2153** (2 semesters) 4 credits per semester)	
	AP Literature & Comp. Scores of 4,5 = ENGL 206	
	AP French Score 3,4,5 = French 201 & 202 (6 credits)	
	AP Spanish Score 3,4,5 = Spanish 201 & 202 (6 credits)	
	AP Music Theory Score 3,4,5 = HUM 118 (3 credits)	
Total Transfer General Education Core: 30 Minimum Credits		

- All Ivy Tech ICC courses offered at AHS will be transcripted to an Ivy Tech transcript. Please note that dual credit from other institutions, including Advanced Placement credit, must be transferred to Ivy Tech Community College to fulfill ICC requirements.
- At least 15 credit hours of the required 30 must have originated with Ivy Tech Community College to be eligible for the certificate.
- Please see your school counselor or the Ivy Tech College Connection Coach if you have questions regarding transferring dual

CHANGES IN PRE-ENROLLED CLASS SELECTIONS

The type and number of courses offered at Avon High School are based upon course selections made by students during the pre-enrollment process; therefore, it is important for students to give serious thought to their class selections and commit to completing these classes. Course verification sheets will be given to students in April. **All requests for schedule changes must be made by April 16,2027. Requests for changes between March 15 and April 16 will be honored if space is still available in the course. Course request changes will not be honored after April 16, 2027.**

It is in everyone's best interest--the student, the teacher, and the counselor--to have schedules finalized before the start of school in order to have a smooth, uninterrupted start to the school year. School counselors will make adjustments to the students' course selections based on courses failed in the second semester and/or courses taken during the summer. There will be no schedule changes to accommodate a student's choice of instructor. The administration and/or school counselor may consider an exception on an individual basis if a student has previously failed a course with an instructor.

After April 16th, changes in a student's schedule, for either semester, may be made for the following reasons until the first day of school:

1. Errors made by the school in developing the schedule
2. The school's need to balance class sizes
3. Medical reason with documentation
4. Change in program placement for students, such as adjustments in assignments or assignments to special services or resources classes.

5. Request to take courses to qualify for the Academic Honors Diploma or Core 40.
6. Failure of a course required for graduation
7. Failure of a prerequisite, i.e. anything that would prevent a student from going on to a requisite course as published in the program of Studies.
8. Failure of a course required into post-secondary education
9. Request to add a course required for college (with documentation from the college)
10. Adding a seventh course to replace a study hall.
11. A student requests to attend the full year rather than be a mid-year graduate.
12. Adding a class to continue the sequence of a year-long course.
13. Adding a required course in lieu of an elective class.

COURSE CHANGE REQUESTS DURING THE SCHOOL YEAR

After the school year has started, students should not expect to change one course for another in their schedule. Students requesting to UPGRADE a course must have a completed Course Change Request Form turned into their counselor within the first FOUR days of the semester. The change will be considered, provided there is seat availability for the requested course. Students requesting to withdraw from a course, due to extenuating circumstances, must have a completed Course Change Request Form turned into their counselor within the first FOUR days of the semester. If a student drops a course after the first FOUR days of the semester, a "WF" will be assigned for the course, which will appear on the student's transcript and factor into the cumulative GPA.

Please note that schedule change requests will not be accommodated for the following reasons:

- Switching class periods
- Requesting a different teacher
- Changing lunch periods
- Distance between classes
- Being scheduled with or without friends

Our staffing and course offerings were carefully planned based on student selections made last spring, and our master schedule was built around those commitments. Our team has carefully developed student schedules to provide an optimal learning experience for all. Changes may disrupt class balance and the educational environment. Therefore, requests based on personal preferences, such as being in classes with friends, will not be granted. Exceptions will only be considered in cases of scheduling errors or if a course required for graduation is missing from the current schedule.

EARLY AND MID-TERM GRADUATES

The Avon School Board acknowledges that some students are pursuing educational goals which may require graduation from high school at an earlier date than their designated class. Application for early graduation shall be in accordance with state regulations. The principal may honor this request if all conditions for graduation are met, and the student fulfills the graduation requirements.

MID-TERM GRADUATES (End of 7th Semester)

Students requesting to graduate at the end of the 7th semester must:

1. Submit a Mid-Term Graduation Request Form no later than the last student day of the school year preceding the year of graduation.
2. Complete all Graduation Pathway requirements by the end of the first semester of the senior year.
3. Class of 2029 and beyond students must fulfill the requirements for an Honors Seal to be eligible for mid-term graduation.

EARLY GRADUATES (Junior Graduates – End of 6th Semester)

Students requesting to graduate at the end of the 6th semester must:

1. Submit an Early Graduation Request Form no later than the last student day of the school year preceding the year of graduation.
2. Submit a letter requesting early graduation to the principal no later than the last student day of the school year preceding the year of graduation.
3. Complete all Graduation Pathway requirements by the end of the first semester of the junior year.
4. Class of 2029 and beyond students must fulfill the requirements for an Honors Seal to be eligible for early graduation.

Note: All requests for mid-term or early graduation must be approved prior to the last student day of the school year preceding the student's intended year of graduation. This deadline corresponds with the final student day of that school year.

A junior who is approved to graduate at the end of the sixth semester will be permitted to participate in the commencement ceremony with the senior class. Juniors who are approved to graduate after 6 semesters may apply for the Mitch Daniels Early Graduation Scholarship following graduation if they are planning to attend an Indiana college. For more information on this scholarship visit https://www.in.gov/che/state-financial-aid/state-financial-aid-by-program/mitch-daniels-early-graduation-scholarship/.

GRADE POINT AVERAGE (GPA)

Grade Point Averages (GPAs) are calculated at the end of each semester and are based on the semester grade. A student's cumulative GPA is the average of all semester grades completed by the student throughout the high school years. To calculate the GPA, each semester grade is given a point. The total points are then added together and divided by the number of credits attempted (A grade of F or WF is considered a credit attempted). Each grade receives the following points:

A+	100%	4.0	B+	87-89%	3.3	C+	77-79%	2.3	D+	67-69%	1.3
A	93-99%	4.0	B	83-86%	3.0	C	73-76%	2.0	D	63-66%	1.0
A-	90-92%	3.7	B-	80-82%	2.7	C-	70-72%	1.7	D-	60-62%	0.7
									F	0-59%	0.0

COURSES TAKEN IN THE MIDDLE SCHOOL FOR HIGH SCHOOL CREDIT

In accordance with School Board Policy 5461, credit will be offered to middle school students who complete high school courses (Algebra I, Geometry, Biology I, Spanish I, Computing Foundations for a Digital Age, and Physical Education) to assist them in maximizing their opportunities to meet graduation requirements.

REPLACING GRADES OF HIGH SCHOOL COURSES TAKEN IN MIDDLE SCHOOL

Students who receive a D+, D, D-, or F in either or both semesters of the course will be required to repeat both semesters of the course in 9th grade, and the middle school grades will not appear on the high school transcript. Students who receive a C+, C, or C- in either or both semesters, should strongly consider repeating the course in 9th grade as well, but may enroll in the next course in sequence. Regardless of the grade earned, students planning to retake the course must do so during the freshman year and must retake both semesters of the course.

MATH AND SCIENCE

Upon successful completion at the middle school of a high school math and/or science course, students may enroll in the next course in sequence. If they choose to accept the high school credits and grades earned in middle school, these will appear on the high school transcript, **factor into the high school GPA**, and count toward the total math and/or science credits needed for graduation and the diploma type the student has chosen. If students choose not to accept the credits and grades for the course, they may still enroll in the next course in sequence but must plan to earn all the math and/or science credits required for graduation and their chosen diploma type, once enrolled in high school.

WORLD LANGUAGE

Upon successful completion at the middle school of a high school course, students may choose one of the following options:

- Request to enroll in level two of the same language in ninth grade and apply the high school credits earned in middle school toward the world language requirements for the Core 40 with Academic Honors Diploma**. These will appear on the high school transcript and factor into the high school GPA.**
- Request to enroll in the first level of a different language and apply the high school credits earned in middle school toward elective credit requirements for a diploma**. These will appear on the high school transcript and factor into the high school GPA.**
- Opt-out of the high school credits earned in middle school and still enroll in the second level of the language but must plan to earn all world language credits required for a Core 40 with Academic Honors Diploma, once enrolled in high school.

PE II

Upon successful completion of two quarters of designated PE II in middle school, students will be awarded one (1) high school credit in PE II. Students completing less than two quarters will be required to earn the PE II credit by taking the class at AHS, through Indiana Online summer school, or through a PE waiver.

OPTING OUT OF THE HIGH SCHOOL CREDIT

After a student's freshman year at Avon High School, the student may opt out of the two semesters of credit for any or all of the courses which were completed at the middle school level with the following stipulations:

- Opting out of the high school credit earned in middle school will be permanent and the student may not opt back in to credits for a course taken in middle school
- Opting out of the high school credit earned in middle school credit will remove BOTH semesters of credits for the course from the transcript
- Credits earned in middle school will no longer be factored into total credits earned or into the high school grade point average (GPA) and will still appear on the transcript

Students in the class of 2028 and beyond must opt out of any middle school credits by the end of the junior year. **Parents will be required to sign an Informed Consent Form to opt out of the credits**. The form can be found on the high school website.

PHYSICAL EDUCATION CREDITS – WAIVERS AND CREDIT LIMITS

Physical Education: Two physical education credits, PE I and PE II, are required for diploma completion and must be completed by the end of the sophomore year. PE I and PE II can be taken through the classroom at AHS, through Indiana Online Academy, and/or through a PE waiver. The waiver can be earned through active completion of an entire season of designated AHS sports and physical extracurricular activities found on the PE waiver form. If a student is going to earn a credit through a waiver, the completed PE waiver form must be turned in to the School Counseling Office no later than two weeks following the end of the season. **Beginning with the class of 2023, the same sport or activity can only be used once to earn either a PE I or PE II credit. A student may earn an additional PE I or II credit by completing a different sport or activity** (i.e. PE I credit earned through football and PE II credit earned through baseball). Elective PE credits, such as Strength and Speed, Team Sports, Advanced Basketball, etc., are limited to a total of eight credits during the four years of high school. Elective PE credits do not substitute for PE I or PE II.

CLASS RANK (VALEDICTORIAN & SALUTATORIAN) CLASS OF 2028

The weighted cumulative GPA (see course weighting) is used to determine class rank at the completion of each semester. The senior Valedictorian (class rank of 1) and the senior Salutatorian (class rank of 2) are determined at the end of the seventh semester of the senior year. Valedictorian and Salutatorian will not be chosen after the class of 2028.

LATIN HONORS SYSTEM CLASSES OF 2029, 2030, and 2031

Beginning with the Class of 2029, seniors will be recognized for academic excellence at the end of their four years at Avon High School under a Latin honors system. During the 2024-25 school year, this system was designed with input from parent volunteers, students, teachers, and administrators. Latin honors will be determined at the end of the seventh semester. Seniors will be recognized in the following manner:

- · Summa Cum Laude (greatest honors) for achieving a cumulative GPA of 4.30 or higher.
- · Magna Cum Laude (great honors) for achieving a cumulative GPA of 4.0 or higher.
- · Cum Laude (with honors) for achieving a cumulative GPA of 3.67 or higher.

In honor of their outstanding academic achievement, seniors will receive a wearable item to display on their gown, be recognized at graduation, and be invited to a celebration banquet. Students earning Summa Cum Laude honors will be eligible to be selected as the senior speaker. The senior speaker at graduation will be selected by a panel appointed by the principal.

STUDENT MATERIAL FEES

In accordance with Indiana SEA 1 legislation, schools are required to provide curricular materials, including textbooks and other instructional resources, at no cost to students. State funding is intended to support these required educational materials; however, the funding provided does not cover all expenses associated with specialized courses and programs.

As a result, students enrolled in certain courses will be assessed material fees for consumable supplies, laboratory materials, industry certifications, project-based resources, or other course-specific items that extend beyond the scope of state-funded curricular materials. These fees enable the school to maintain high-quality learning experiences and provide students with the resources necessary to meet course objectives.

A list of applicable fees is included in the chart below and are noted within the course descriptions in this Program of Studies. Families are encouraged to review these fees carefully when selecting courses. Please note, this document reflects course fees from

the PRIOR school year to serve as a guide for parents and students. Fees for the upcoming school year will be set in May as approved by the school board.

The school recognizes that material fees may present a financial hardship for some families. Payment plans may be arranged through the School Treasurer's Office. Families with concerns regarding material fees are encouraged to contact the Treasurer to discuss available payment options.
The assessment of course-specific material fees reflect the school's commitment to sustaining rigorous academic, career and technical, and enrichment opportunities while complying with state requirements regarding curricular materials.

If you would like additional information about student material fees, please see the Avon Community School website for information directly from Dr. Wyndham and Sheila Glass: https://www.avon-schools.org/experience-avon/experience-avon/~board/acsc-posts/post/a-note-about-2026-27-school-fees

STUDENT MATERIAL FEES						
Student Material Fees are subject to change without notice and are not waived for students who qualify for free/reduced lunch.						
Course #	**Course Name**	**Student Fee**		**Course #**	**Course Name**	**Student Fee**
Art				**FACS (cont'd)**		
135	Advanced 2-D Art	$45.00		7160F/ 7160S	Princ of Early Childhood Educ	$5.00
137	AP 2-D Art & Digital Design A	$50.00		7176F/ 7176S	Principles of Human Services	$3.00
138	AP 2-D Art & Digital Design B	$50.00		7132F/ 7132S	Principles of Interior Design	$3.00
115	AP Studio Art A	$50.00		**PE/Health**		
116	AP Studio Art B	$50.00		1181	Advanced Health	$32 certification
121	AP Studio Art: Digital Photo A	$37.00		1107	Lifeguard Training	$10.95 CPR masks; $47 certification
122	AP Studio Art: Digital Photo B	$37.00		**Performing Arts**		
172	Ceramics I	$45.00		***Students using an ACSC instrument will be assessed a $50 maintenance fee per semester.		
174	Ceramics Level II	$45.00		831/832	AP Music Theory A/B	$13.50
176	Ceramics Level III	$45.00		809	Fall Advanced Concert Band A	$8.00
120	Digital Design	$40.00		810	Concert Band B	$8.00
146	Digital Drawing I	$35.00		895	Fall Intermed Concert Band B	$8.00
145	Digital Drawing II	$35.00		803/804	Jazz Band A/B	$10.00
164	Digital Photography I	$30.00		878	Symphonic Band B	$8.00
165	Digital Photography II	$40.00		802	Wind Ensemble B	$10.00
123	Drawing Level I	$40.00		805/806	Wind Symphony A/B	$31.00
147	Drawing Level II	$40.00		825/826	Chamber Singers	$7.00
149	Drawing Level III	$40.00		817/818	Allegros Choir	$7.00
150	Drawing Level IV	$40.00		821/822	Oriole Choir	$7.00
182	Fiber Arts	$50.00		813/814	Black & Gold Choir	$7.00
111	Intro 2-D Art	$30.00		823/824	Symphonic Choir	$7.00
110	Sculpture	$45.00		865/866	Accents Show Choir	$7.00
124	Painting I	$60.00		843/844	Attraction Show Choir	$7.00
125	Painting Level II	$65.00		885/886	Symphony Orchestra	$35.65
177	Sculpture II	$50.00		881/882	Concert Orchestra	$7.00
170	Sports Photography	$40.00		899/900	Chamber Orchestra Ensemble	$7.00
148	Visual Communication I	$45.00		883/884	Philharmonic Orchestra	$7.00
151	Visual Communication II	$45.00		879/880	Intermezzo Orchestra	$7.00
Broadcasting				799/800	Orchestra Sinfonia	$7.00
4576F/4576S	Computer illustration & Graphics	$3.00		**Resource**		
7139F/ 7139S	Principles of Broadcasting	$12.00		0580A	Applied Adult Roles & Resp	$20.00

4580F/4580S	Tech Comm: Sports Broadcasting	$3.00		1213A	Applied Career Info & Exploration	$20.00
7306FD/ 7306SD	VU Audio & Video Production	$3.00		0110A	Applied Intro 3D Art	$40.00
7307FD/ 7307SD	VU Mass Media Production	$3.00		0111A	Applied Intro to 2D Art	$30.00
7308F/7308S	VU Radio/TV Brdcstng Capstone	$3.00		0521A	Applied Nutrition & Wellness	$30.00
Engineering & Technology				**Science**		
1633	Computers in Design & Production	$20.00		925	Adv Sci: Prin of Zoology	$40.00
7122F/7122S	Construction Trades Frame Finish	$85.00		950	Adv. Sci. - Biochemistry	$40.00
7123F/7123S	Const Trades Gen Carpentry	$85.00		947	Adv Sci: Organic Chemistry	$3.00
1613	Intro to Design Processes	$20.00		927/928	Anatomy/Physiology Hon A	$40.00
4802FD/4802SD	IVY Design 101 & 113 PLTW IED A	$40.00		915/916	AP Biology	$40.99
5644FD/5644SD	IVY Design 104 PLTW POE A	$40.00		953/954	AP Chemistry	$35.00
7202F/7202S	Manuf Princ and Dsgn A	$230.00		975/976	AP Environmental Science	$3.00
7196F/7196S	Mechanical & Arch Design A	$40.00		977/978	AP Physics C: Elec & Magn	$5.00
7130F/7130S	Principles of Construction	$85.00		965/966	AP Physics C: Mechanics	$10.00
4728F/4728S	Robotics Design & Innovation	$40.00		921/922	Biology I	$3.00
7156F/7156S	Tech Skills Dev: Const Trade	$70.00		0913T/914T	Biology I Honors	$4.00
5538FD/5538SD	VU Dig Logic 130 PLTW A	$30.00		907	Advanced Sci: Human Genetics	$8.00
FACS				5219F/5219S	Biomed Innovations PLTW A	$150.00
580	Adult Roles & Responsibilities	$3.00		951/952	Chemistry I	$4.00
7278	Adv Social and Community	$3.00		945/946	Chemistry I Honors A	$10.00
522	Advanced Nutrition & Foods I	$40.00		935/936	Environmental Science	$3.00
523	Advanced Nutrition & Foods II	$45.00		5216F/5216S	Human Body Syst PLTW	$92.00
541	Child Development	$3.00		943/944	Intg Chem/Phys	$5.00
7158F/ 7158S	Early Childhood Edu Curriculum	$5.00		948	Advanced Sci: Intro to Forensic Science	$26.00
7159F/ 7159S	Early Childhood Guidance	$5.00		3026F/3026S	Ivy Tech Intro to Biology	$45.00
7276F	Fundamentals of Human Services A	$3.00		5217F/5217S	Medical Interventions PLTW	$85.00
7127F/ 7127S	Interior Design Fundamentals	$3.00		961/962	Physics I A	$3.00
7128F/ 7128S	Material Finishes and Design	$3.00		957/958	Physics I Honors	$6.00
521	Nutrition & Wellness	$20.00		5218F/5218S	Princ Biomed Sci PLTW	$50.00

COURSE WEIGHTING

Avon High School has adopted a ***cumulative GPA*** weighting system. In this system of weighting courses, points are added to the cumulative GPA. The weighted cumulative GPA is then used to determine class rank. Because Honors and Advanced Placement courses do not have the same level of difficulty, it was determined there would be three levels of weighted courses. The chart below shows the three levels of weighted courses and the weighting factor that is used in the formula. Students must earn a C- or higher in the course in order for it to be weighted.

LEVEL	I (0.1 Factor)	II (0.2 Factor)	III (0.3 Factor)
Math	ACE Geometry Geometry Honors Algebra II Honors IVY 136/137 College Algebra/Trig Finite Mathematics (with or without IVY Math 135)	Trigonometry ACE College Algebra II ACE IVY 136/137 Pre-Calc/Trig Honors	AP Calculus A/B ACE AP Calculus B/C ACE AP Calculus A/B AP Statistics

Science	Biology I Honors Principles of Biomedical Science	Chemistry I Honors Physics I Honors Anatomy/Physiology Honors IVY BIOL 101 A/B Human Body Systems Medical Interventions Biomedical Innovations	AP Biology AP Chemistry AP Physics AP Environmental Science
English	English 9 Honors	English 10 Honors IVY English 111 IVY Literature 206 VU Communications 143 Speech	AP Language & Comp. AP Literature & Comp. AP Seminar: English
Social Studies	Geography and History of the World Honors	IVY American Hist. 101/102	AP US History AP Government AP Economics AP Psychology AP World History AP European History AP African American Studies
World Language	French Level 3 German Level 3 Spanish Level 3 Japanese Level 3	French Level 4 German Level 4 Spanish Level 4 Japanese Level 4 IVY SPAN 101/102 Honors	AP French AP German AP Spanish
Business			AP Computer Science Principles AP Computer Science
Fine Arts		IU Art History IVY Theatre Appreciation	AP Music Theory AP 2-D Art and Design

The add-on formula used to calculate the points added to the cumulative GPA takes into account the number of credits earned at each of the three levels and the number of semesters a student has completed in high school. The points added will change each semester as more weighted credits are earned and more semesters toward graduation are completed.

$$\frac{0.1 \times \text{number of Lev I credits earned} + 0.2 \times \text{number of Lev II credits earned} + 0.3 \times \text{number of Lev III credits earned}}{\text{Semesters completed}}$$

$$\frac{\textbf{SUM OF ALL 3 LEVELS}}{\textbf{SEMESTERS COMPLETED}} = \textbf{TOTAL POINTS ADDED TO THE CUMULATIVE GPA}$$

Please Note: Students, who transfer to Avon with honors courses on their transcript, will have their transcript reviewed by the School Counseling Office. Upon verification that the course(s) target higher ability students and are considered more rigorous and would prepare a student for the next level, such as Advanced Placement, the course will receive weighted value, provided it is offered and 15 considered a weighted course at Avon High School. AP courses will be transferred and counted as weighted, provided the course is offered at Avon High School. AP and/or honors courses taken outside the school year, for example summer courses, online courses, and/or courses completed in middle school, will not be weighted.

COURSE WEIGHTING CLASSES OF 2029, 2030, and 2031

Beginning with the Class of 2029, the following charts illustrate the value given to each semester grade in a weighted course when considering the added value (i.e. factors of 0.1, 0.2, or 0.3) into calculating the semester cumulative GPA. Formula: Semester Grade Point Value X (1+ added value)

LEVEL I (0.1) - Weighted Courses

Grade	GPA Points	Grade	GPA Points
A	4.4	C	2.2
A-	4.07	C-	1.87
B+	3.63	D+	1.43
B	3.3	D	1.1
B-	2.97	D-	.77
C+	2.53	F	0

LEVEL II (0.2) - Weighted Courses

Grade	GPA Points	Grade	GPA Points
A	4.8	C	2.4
A-	4.44	C-	2.04
B+	3.96	D+	1.56
B	3.6	D	1.2
B-	3.24	D-	.84
C+	2.76	F	0

LEVEL III (0.3) - Weighted Courses

Grade	GPA Points	Grade	GPA Points
A	5.2	C	2.6
A-	4.81	C-	2.21
B+	4.29	D+	1.69
B	3.9	D	1.3
B-	3.51	D-	.91
C+	2.99	F	0

ACADEMIC LETTERS

The Academic Excellence Committee made a proposal to the school board in June 2004 to honor those students who demonstrate outstanding academic achievement with an academic letter; the same letter and chevrons that are given to students for other accomplishments, such as athletics and music. Athletic chevrons are gold on white; music chevrons are gold on black, and academic chevrons are black on gold. Students who receive their first academic chevron, but do not yet have their letter "A", may receive one in the School Counseling Office. Academic letters and/or chevrons are awarded in the fall following each high school year, and again in the spring for grade 12. It is possible for a student to qualify for an academic letter four times during the high school career.

Cumulative GPA requirements for earning an Academic Letter:

- 4.0 at the end of the freshman year-receive chevron in the fall semester
- 4.0 at the end of the sophomore year-receive chevron in the fall semester
- 4.0 at the end of the junior year-receive chevron in the fall semester
- 4.0 at the end of semester one of the senior year-receive chevron in the spring of senior year

INDIANA HIGH SCHOOL ATHLETIC ASSOCIATION ACADEMIC REGULATIONS

The Indiana High School Athletic Association regulations determine the minimum standards that a student must meet in order to participate in athletic contests with students from other schools. These regulations require a student, at the time of participating in such a contest, to have received passing grades at the end of their last grading period in a minimum of five (5) full credit courses. Semester grades take precedence. **Athletes must be enrolled in a minimum of five (5) full credit courses.** All students representing Avon High School in extracurricular athletic activities are subject to these standards.

NAIA & NCAA DIVISION I/II ELIGIBILITY

The eligibility of Avon student-athletes for competition in collegiate athletics is a joint effort of the student-athletes, their families, coaches, Athletic Department, and School Counseling Department. In order to be eligible to play Division I or II college sports, students must meet certain academic standards in core course completion, GPA in core classes, and SAT/ACT scores. Students need to find the best academic and athletic fit. Prospective student-athletes should contact his/her coach first to assist in the process.

AVON SIMON YOUTH ACADEMY

Avon Simon Youth Academy, located in Avon on US 36, provides a performance-based alternative educational setting to enable high school students to complete their education in a small setting. The program provides flexibility and support to meet individual student needs. Students who meet Avon High School's graduation requirements earn an Avon High School diploma and participate in Avon's commencement ceremony. ASYA students requesting to graduate at the end of the first quarter or first semester must complete the Early Graduation Request Form and return it to the counselor at ASYA by the last day of the previous year. (see Early and Mid-Year Graduates).

ONLINE EDUCATION CENTER (OEC)

The Online Education Center offers over 40 core and elective courses that can be earned during the regular school day or after school. Each class has been customized by AHS faculty to ensure its content is as close to the traditional classroom as possible. Placement in the OEC must have counselor and/or administrator approval and is generally used as a credit recovery resource.

REMOVAL FROM A COURSE

In the event that a student is removed from a course due to attendance, discipline, or any other reason determined by an administrator, the student will lose credit for the course with a "W" indicated on the transcript that does not factor into the GPA.

STUDY HALLS

Students may elect to take one (1) study hall as one of their fourteen classes during the year. Students may request the semester in which they would like the study hall; however, assignments to study hall will be based upon available space and must fit into the student's year-long schedule. Students in grades 10, 11, or 12 with a combination of three or more AP/dual credit courses (per semester) may petition to take a study hall both semesters. Students are expected to follow the rules and guidelines set forth by the study hall instructor. This scheduled time is to be used for homework, reading assignments, test preparation, etc. in order to help the student be successful in his/her remaining classes. Students are not permitted to have a study hall and be a TA in the same semester.

TEACHER ASSISTANTS

A student must complete a Teacher Assistant Contract to be a TA, with final approval given by the administration. Students must not have any Ds or Fs in courses from the prior grading period in order to qualify. Students serving as a TA who have failing mid-term grades will be transferred to a study hall for the remainder of the semester. Students are not permitted to have a study hall and be a TA in the same semester.

ENROLLMENT AND TRANSFER CREDITS

Students transferring to Avon High School must make an appointment with the School Counseling Office. Students removed for disciplinary reasons from another school will be denied admission to Avon High School during the school term in which the disciplinary action occurred. The principal will make the final decision in these cases.

School Board Policy 5463 states the following regarding the transferring of credits:

- In recognizing its responsibility to uphold the minimum educational standards of the State of Indiana, the School Board establishes the following policy and criteria regarding the acceptance of credits from nonpublic schools whether they be State-chartered, special, or non-chartered schools.
- Credits earned by students attending other high schools accredited by an official state department of education will be accepted by Avon High School.
- For credit or coursework to be accepted for courses taken in such schools, either a copy of the charter or other assurance of compliance with minimum requirements established by the State must be provided.
- Recognition of credits or coursework shall be granted when the proper assurance and the student's transcript has been received. The Corporation reserves the right to assess such transfer students in order to determine proper placement and to be assured the student can demonstrate the learning which is prerequisite to a placement.

- When a student transfers into the School Corporation from a non-accredited high school, his/her previous courses will be evaluated by a panel consisting of the school counseling director, principal, and a department head. Examinations may be administered for the subject(s) in question if the panel deems it appropriate. The student will be responsible for supplying an outline or syllabus for the courses that s/he has completed. All Indiana and School Corporation graduation requirements must be met.
- Students enrolled in schools that are non-public, whether accredited or non-accredited and not otherwise approved by the Indiana State Board of Education may not enroll in a particular educational program or participate in a particular educational initiative offered by the Avon Community School Corporation unless the student's enrollment or participation in such program or initiative is approved by the Superintendent and the Board of School Trustees.

In addition to the above, homeschooled students will receive credit upon successfully passing the appropriate Avon High School final exam for that course, which will result in the exam grade being recorded on the transcript.

SUMMER SCHOOL COURSES

Beginning with the Class of 2029, students who can take summer school courses (in-person or via Indiana Online) must meet the following guidelines:

- Retaking a failed course that is needed for graduation.
- Replacing a grade earned in a course to receive a Diploma Seal.
- Taking a course to accommodate an early graduation or attendance at Area 31.
- Taking courses to catch-up on credits when transferring from another state and/or school with different graduation requirements (i.e. completing a Graduation Pathway).
- Completing a series of courses that AHS does not offer (example: transferring Latin I credits and would like to take Latin II).

Students and their families should note that Indiana Online Summer School courses have published deadlines for registration and dropping courses. Indiana Online has established fees for dropping courses, and families will be responsible for paying incomplete tuition enrollment fees. Students cannot self-pay for summer school courses at Indiana Online or other online providers.

AVON HIGH SCHOOL 2027-2028 SCHEDULING YEAR

BROADCASTING EDUCATION
7139F 7139S Principles of Broadcasting
7306FD 7306SD VU Audio & Video Production
7307FD/7307SD VU Mass Media Production
7308F 7308S VU Radio & TV Broadcasting Capstone
4580F 4580S Tech Comm: Sports Broadcasting
4576F 4576S Computer Illustrations

BUSINESS EDUCATION
4562F 4562S Principles of Business Management
4524F 4524S Accounting Fundamentals
5914F 5914S Marketing Fundamentals
5914FO 5914SO Marketing Fundamentals: Ozone
7153F 7153S Princ of Business Ops/Tech: Ozone
4562OF 4562OS Princ of Bus Management: Ozone
5918F 5918S Strategic Marketing
7143F 7143S Bus Law: Management Fundamentals
7161FD 7161SD UIND Principles of Teaching (Non-Cadet)
7161F 7161S Principles of Teaching (Cadet)
7157F 7157S Child & Adolescent Dev
7162F 7162S Teaching & Learning
5394 Preparing for College and Careers
4565 Computing Foundations for a Digital Age
0255 0256 AP Computer Science Principles
0235 0236 AP Computer Science
0247 Digital Applications and Responsibility I
5974F 5974S Work Based Learning (3 hour)
5975F/5975S Work Based Learning (2 hour)
0250A 0250B Car Exp Internship: Tech Support

ENGLISH
1703 1704 English 9
1705T 1706T English 9 Honors
1715 1716 English 10
1717 1718 English 10 Honors
1104F 1104S AP Seminar: English
1727 1728 English 11
1096 Technical Communications (Eng 12 Sem 1)
1038 Indy Ink: Indiana Literature
1036 Genres of Literature: Memoir
1036B Genres of Literature: Memoir (Blended Learning)
1742 1743 AP English Lang & Composition
1740 1741 AP English Lit & Composition
6727T IVY ENGL 111- English Comp.
6728T IVY ENGL 206 – Intro to Literature
1701T 1702T Language Arts Lab
1789 Etymology
1770 Creative Writing
1720 Dramatic Literature
1719 Film Literature
1784 Speech
1782 Debate
1777 VU Comm – Speech Communications
1785 Journalism
1794 1795 Yearbook
1797 1798 Newspaper

FAMILY & CONSUMER SCIENCES
7176F 7176S Principles of Human Services
7276F 7276S Fundamentals of Human Services
7278F 7278S Adv Social & Community Services
0501 Interpersonal Relationships
0580 Adult Roles & Responsibilities
0521 Nutrition & Wellness
0522 Adv Nutrition & Foods I
0523 Adv Nutrition & Foods II
7132F 7132S Principles of Interior Design
7127F 7127S Interior Design Fundamentals
7128F 7128S Materials, Finishes, & Design
0541 Child Development
7160F 7160S Princ of Early Childhood Educ
7158F 7158S IVY Early Childhood Educ Curriculum
7159F 7159S IVY Early Childhood Educ Guidance
7259F 7259S IVY Early Childhood Ed Capstone

FINE ARTS (Visual Art)
0111 Intro to 2-D Art
0135 Advanced 2-D Art
0110 Sculpture
0177 Sculpture II
0123 Drawing I
0147 Drawing II
0149 Drawing III
4260SD IU Intro to Art History
0119 Art History & Appreciation
0148 Visual Comm I
0120 Digital Design
0151 Digital Design II
0146 Digital Drawing
0145 Digital Drawing II
0137 0138 AP 2-D Art & Des: Digital Design
0115 0116 AP 2-D Art & Design
0124 Painting I
0125 Painting II
0172 Ceramics I
0174 Ceramics II
0176 Ceramics III
0182 Fiber Arts
0164 Digital Photography I
0165 Digital Photography II
0170 Sports Photography
0121 0122 AP 2-D Art & Design: Digital Photo

FINE ARTS—PERFORMANCE
0809 Black Band: Fall Adv Concert Band (Sem 1)
0810 Concert Band B (Sem 2)
0801 0802 Int. Instr. Music: Hornline 6
0877 0878 Int. Instr. Music: Hornline 3
0805 0806 Adv. Instr. Music: Wind Symphony
0895 Gold Band: Fall Intermediate Concert Band A (Sem1)
0896 Gold Band (Sem 2)
0897 0898 Adv Instr. Music: Woodwinds
0874 Adv. Instr. Ensemble: Drumline A
0875 Adv. Instr. Ensemble: World Drumline
0872 Int Ins Ensemble: Drumline B
0881 0882 Beg Instr. Music: Concert Orchestra
0879 0880 Int. Instr. Music: Intermezzo Orch
0883 0884 Int. Instr. Music: Philharmonic Orch
0885 0886 Adv. Instr. Music: Symphony Orch
0899 0900 Chamber Orchestra Ensemble
0779 0800 Sinfonia Orchestra (Intermediate)
0803 0804 Adv Jazz Band (Jazz Ensemble I)
0846 0846B Adv Jazz Band (Jazz Ensemble II)
0821 0822 Beg Male Choir - Oriole Choir
0813 0814 Beg Treble Choir - Black & Gold
0823 0824 Int Women's Choir–Symphonic Choir
0817 0818 Adv Treble Choir: Allegros
0825 0826 Adv Mixed Choir - Chamber Singers
0865 0866 Adv Mixed Show Choir – Accents
0843 0844 Adv Mixed Show Choir – Attraction
0852 Dance Choreography I
0853 Dance Choreography II
0854 Dance Choreography III
0859 0863 Advanced Dance Technique
0856 0857 Dance Company I & II
0858 0858B JV Dance Company I & II
0811 0812 Color Guard
0860 Piano & Elec. Keyboard I
0861 Piano & Elec. Keyboard II
0862 Piano & Elec. Keyboard III
0864 Piano & Elec. Keyboard IV
0830 Music Theory & Comp. I
0831 0832 AP Music Theory

FINE ARTS—THEATRE
1760 Technical Theatre
1766 Advanced Technical Theatre
1761 Theatre Arts
1762 Advanced Theatre Arts
1763 Theatre Production
1764 Advanced Acting
4260FD IVY HUMA 100-Theatre Appreciation

MATH
0711 0712 Algebra I Lab
0733 0734 Algebra I
0745 0746 Geometry
0741 0742 Geometry Honors
0735 0736 Algebra II
0723 0724 Algebra II Honors
2595F 2595S PRIME Math
0798N Finite Mathematics
0798T IVY Math 135 Finite Mathematics
2543 Adv Math: Modern Mathematics
6783T 6784T IVY Math 136 College Algebra/ Math 137 Trigonometry
0781T 0782T IVY Math 136 Honors Pre/Calc/Math 137 Honors Trigonometry
0757 0758 AP Calculus AB
0730 Probability & Statistics
0731 0737 AP Statistics
0743T 0744T Geometry ACE
0738 0739 College Algebra II ACE
0740 Trigonometry ACE (fall)
0740S Trigonometry ACE (spring)
0767 0768 AP Calculus AB ACE
0763 0764 AP Calculus BC ACE
2543F 2543S Multivariable Calculus

MULTILINGUAL LEARNER
1746N 1747N Newcomer Academy
1746 1747 Eng as a New Language 2
1748 1749 Eng as a New Language 3
0703E 0704E ENL Academic Coaching
0701E 0702E ENL Math Lab
1021S 1022S US History
1041S US Government
1703E 1704E ENL English 9
1715E 1716E ENL English 10
1727E 1728E ENL English 11
1731E 1732E ENL English 12

PE/HEALTH
1122 Physical Education I
1123 Physical Education II
1101 Health
1137 1138 Physical Fitness
1181 Advanced Health and Wellness
1116 Field and Court
1145 1146 Team Sports
1197 1198 Strength and Speed
1163 1164 Advanced Basketball
1161 Water Games and Sports
1107 Lifeguard Training
1113 Lifeguard II

RESOURCE
1300 Peer Tutoring
0238 0239 Business Math
0703 0704 Academic Coaching
0733G 0734G Algebra I
1021G 1022G US History
0921A 0922A Applied Biology
0933A 0934A Applied Earth & Space Science
0733A 0734A Applied Algebra I
0745A 0746A Applied Geometry
1021A 1022A Applied U.S. History
1013A Applied World History & Civilization
1041A Applied US Government
1703A 1704A Applied English 9
1715A 1716A Applied English 10
1727A 1728A Applied English 11
1731A 1732A Applied English 12
0211A Applied Personal and Financial Resp
0240A Applied Prep for College & Career
0580A Applied Adult Roles & Resp
0247A Applied Digital Apps and Resp
5974A Applied Work Based Learning Capstone Multiple Pathways
1101A Applied Health and Wellness
0521A Applied Nutrition and Wellness
0110A Applied Intro 3-D Art
0111A Applied Intro 2-D Art
0501A Applied Interpersonal Relationships
3508A Applied Current Health Issues
1213A Applied Career Info and Exploration
0530A Applied Career Exploration Internship
1122A Applied Physical Education I
1123A Applied Physical Education II

SCIENCE
5218F 5218S PLTW: Princ of Biomedical Sciences
5216F 5216S PLTW: Human Body Systems
5217F 5217S PLTW: Medical Interventions
5219F 5219S PLTW: Biomedical Innovations
0921 0922 Biology I
0913T 0914T Biology I Honors
3026F 3026S IVY Biology 101
0915 0916 AP Biology
7340F 7340S IVY BIOT 100 Principles of Biotechnology
7341F 7341S IVY BIOT 102 Biotech Manufacturing
0950 Advanced Science: Biochemistry
0907 Advanced Science: Human Genetics
0927 0928 Anatomy & Physiology Honors
0925 Advanced Science: Zoology
0935 0936 Environmental Science
0975 0976 AP Environmental Science
0948 Adv Science: Intro to Forensic Science
0943 0944 Integrated Chemistry/Physics
0951 0952 Chemistry I
0945 0946 Chemistry I Honors
0947 Advanced Science: Organic Chemistry
0953 0954 AP Chemistry
0961 0962 Physics I
0957 0958 Physics I Honors
0963 0964 Physics II
0965 0966 AP Physics C: Mechanics
0977 0978 AP Physics C: Elec. & Magnetism
0933 0934 Earth and Space Science

SOCIAL STUDIES
1000 1001 Geography/History of the World
1002T 1003T Honors Geog/History of the World
1015 1016 AP World History
1021 1022 US History
1021T/1022T IVY US HIST 101 & 102
1023 1024 AP US History
1031 Psychology
1033 1034 AP Psychology
1041 US Government
1041B US Government (Blended Learning)
1045 We the People
1043 1044 AP US Government
1004 Ethnic Studies
1051 Sociology
1061 Economics with Personal Financial Responsibility
1061B Economics (Blended Learning) with Personal Financial Responsibility
1062 AP Macroeconomics with Personal Financial Responsibility
1064 AP Microeconomics
1018 1019 AP European History
1049 1050 AP African American Studies
1010 Current Problems, Issues, & Events
1027 Indiana Studies

ENGINEERING & TECHNOLOGY EDUCATION
4802FD 4802SD IVY Design 102/111 PLTW Intro to Engineering Design
5644FD 5644SD IVY Design 104 PLTW Princ of Eng
5538FD 5538SD IVY Digital Logic 130 PLTW Digital Electronics
5698F 5698S Engineering Design & Development
7196F 7196S Mechanical & Architectural Design
7202F 7202S Manufacturing Principles & Design
7130F 7130S Princ of Construction Trades
7123F 7123S Const Trades: General Carpentry
7122F 7122S Const Trades: Framing & Finishing
1613 Introduction to Design Processes
4728F 4728S Robotics Design & Innovation
1633 Computers in Design & Production

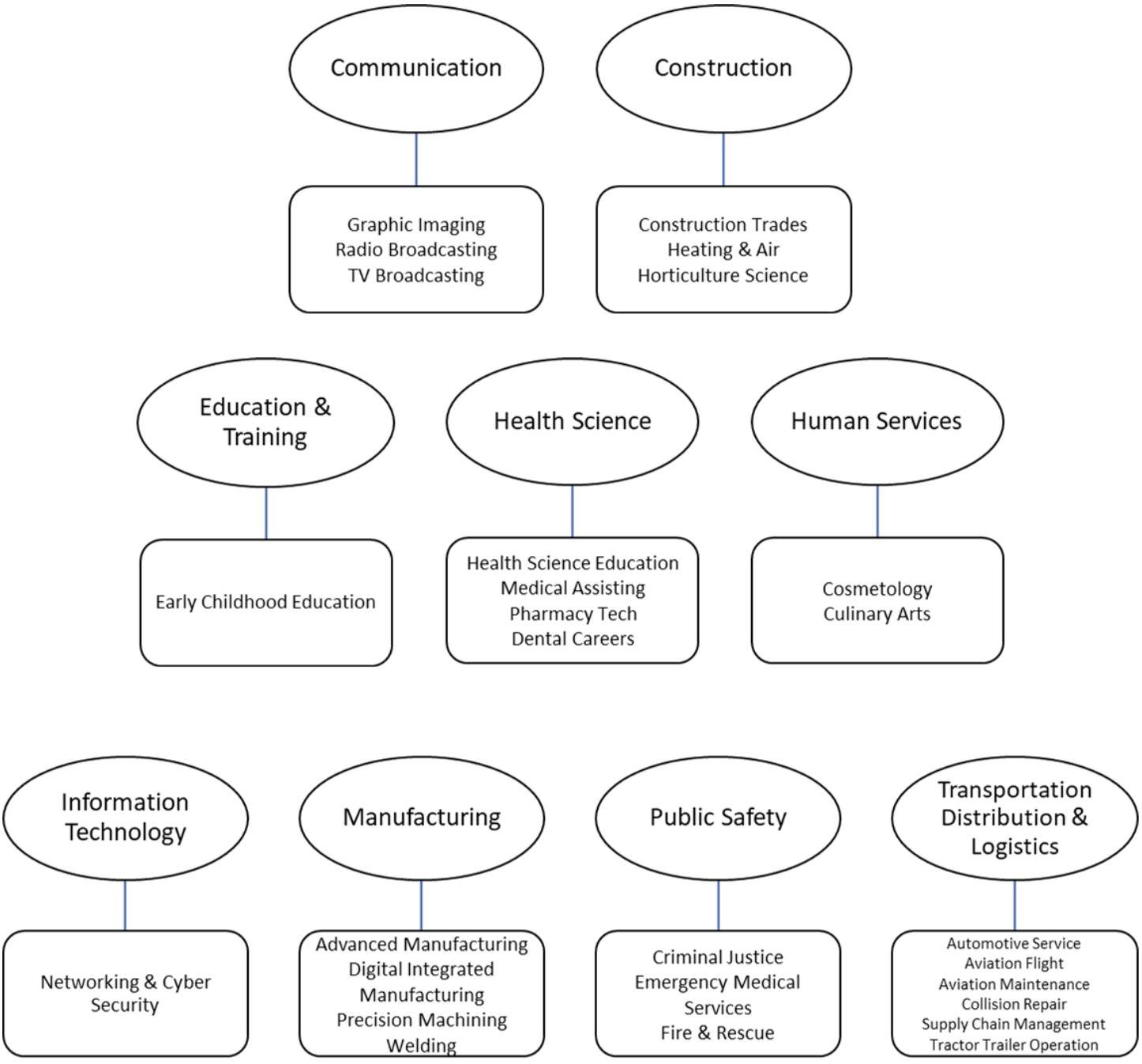
WORLD LANGUAGES
0401 0402 Language for Heritage Speakers
0411 0412 French Lev I
0413 0414 French Lev II
0415 0416 French Lev III
0417 0418 French IV
0471 0472 AP French Language
0421 0422 German Lev I
0423 0424 German Lev II
0425 0426 German Lev III
0427 0428 German Lev IV
0473 0474 AP German Language
0461 0462 Japanese Lev I
0463 0464 Japanese Lev II
0465 0466 Japanese Lev III
0431 0432 Spanish Lev I
0433 0434 Spanish Lev II
0435 0436 Spanish Lev III
2152 2153 IVY SPAN III Honors 101 & 102
0437 0438 Spanish Lev IV
0475 0476 AP Spanish Language

CAREER/TECHNICAL EDUCATION (AREA 31)
AREA 31 – YEAR 1
Advanced Manufacturing: Integrated Mechanics 7108FC/7108SC & 7103FC/7104SC
Auto Service Tech 7213FC/7231SC & 7205FC/7212SC
Aviation Flight Technology 7214FC/7214SC & 7217FC/7207SC
Aviation Maintenance 7372F/7376S & 7374F/7372S
Collision Repair Technology 7215FC/7215SC & 7204FC/7206SC
Construction Trades 7130FC/7130SC & 7123FC/7122SC
Cosmetology I 7330FC/7330 SC & 7331FC/7332SC
Criminal Justice 7193FC/7193SC & 7191FC/7188SC
Culinary Arts 7173FC/7173SC & 7171FC/7169SC
Dental Careers 7315FC/7315SC & 7316FC/7317SC
Digital Design 7140FC/7140SC & 7141FC/5550SC
Digital Integrated Manufacturing 7220FC/7220SC & 4728FC/7100SC
Early Childhood Education 7160FC/7160SC & 7158FC/7159SC
Emergency Medical Services 7168FC/7168SC & 5274FC/7165SC
Fire and Rescue 7195FC/7195SC & 7189FC/7186SC
HVAC 7131FC/7131SC & 7125FC/7126SC
Horticultural Science 7117FC/7117SC & 5132FC/7114SC
Medical Assisting 7168FC/7168SC & 5274FC/7164SC
Networking & Cybersecurity 7183FC/7183SC & 7180FC/7182SC
Pharmacy Tech 7167FC/7167SC & 5274FC/7168S
Precision Mach 7109FC/7109SC & 7105FC/7107SC
Pre-Nursing 7168FC/7168SC & 5274FC/7166SC
Radio and TV 7139FC/7139SC & 7307FC/7306SC
Supply Chain Management/Logistics 4562FC/4562SC & 7155FC/7142SC
Television Broadcasting 7139FC/7139SC & 7307FC/7306SC
Tractor Trailer 7386SC & 7388SC
Welding Tech 7110FC/7110SC & 7111FC/7101SC

AREA 31 – YEAR 2
7261FC 7261SC Adv Man Integrated Mech Capstone
7375FC 7375SC Auto Service Capstone
7380FC 7380SC Collision Repair Capstone
7242FC 7242 SC Construction Trades Capstone
7334FC 7334SC Barbering & Cosmetology Capstone
7233FC 7233SC Culinary Capstone
7246FC 7246SC Digital Design Capstone
7222FC 7222SC Digital Integrated Manufacturing II
7259FC 7259SC Early Childhood Education Capstone
7255FC 7255SC Healthcare Specialist Capstone
7232FC 7232SC Horticulture Capstone
7244FC 7244SC HVAC Capstone
7261FC 7261SC Integrated Mechanics Capstone
7251FC 7251SC Networking Capstone
7310FC 7310SC Pharmacy Capstone
7219FC 7219SC Precision Machining Capstone
7308FC 7308SC Radio & TV Broadcasting Capstone
7226FC 7226SC Welding Tech Capstone

ADDITIONAL COURSES
1601 1602 Study Hall
1300 Peer Tutoring
1698 Mid-Year Graduate
1780 Library Media
3524 Intro to Public Service

AREA 31 CAREER & TECHNICAL EDUCATION



AREA 31 CAREER PROGRAMS

Career and Technical Education

Career and Technical Education (CTE) Programs prepare students for careers and/or further study at a post-secondary institution. Most programs are offered at the Area 31 Career Center at Ben Davis High School. Opportunities exist for students of all abilities in a variety of programs. The Metropolitan School District of Wayne Township serves as the Local Education Agency (LEA) for the Area 31 Career Center. As the LEA, the MSD of Wayne Township provides oversight and ensures compliance with all applicable federal and state regulations, including, but not limited to, those related to civil rights, accessibility, and educational equity for all students enrolled in Area 31 programs. (see more information at the end of the Area 31 section).

NOTE: Before enrolling in any Career and Technical Education program, the student must complete an online enrollment form.

Course offerings include:

- Adv Manufacturing: Integrated Mechanics **
- Adv Manufacturing: Integrated Mechanics CAPSTONE**
- Automotive Service Technology **
- Automotive Service Technology CAPSTONE **
- Aviation Flight Technology **
- Aviation Maintenance Technology **
- Collision Repair Technology **
- Collision Repair Technology CAPSTONE **
- Construction Trades **
- Construction Trades CAPSTONE **
- Cosmetology **
- Cosmetology CAPSTONE **
- Criminal Justice **
- Culinary Arts and Hospitality Management **
- Culinary Arts CAPSTONE **
- Dental Careers
- Digital Integrated Manufacturing **
- Digital Integrated Manufacturing CAPSTONE **
- Early Childhood Education **
- Early Childhood Education CAPSTONE (WBL)**
- Emergency Medical Services **
- Fire and Rescue **
- Graphic Imaging Technology**
- Graphic Imaging Technology CAPSTONE
- Healthcare Specialist CAPSTONE (WBL) CNA
- Heating and Air **
- Heating and Air CAPSTONE
- Horticulture Science **
- Horticulture Science CAPSTONE**
- Medical Assisting**
- Networking & Cyber Security **
- Networking & Cyber Security CAPSTONE **
- Pharmacy Tech **
- Pharmacy Tech CAPSTONE**
- Pre-Nursing **
- Precision Machining **
- Precision Machining CAPSTONE **
- Radio Broadcasting **
- Radio Broadcasting CAPSTONE
- Supply Chain Management **
- Television Broadcasting **
- Television Broadcasting CAPSTONE
- Tractor/Trailer Operation **
- Welding Technology**
- Welding (WBL)

**College credit available; dual credits offered may change to align with NLPS (Next Level Programs of Study)

Note: *Indiana college credit is generally transferable from one Indiana educational institution to another; however, students and parents should research the transfer themselves just to be sure. One educational institution cannot make a transfer call for another. Students and parents should contact an advisor at the institution where they want to attend and ask if the credit being offered will count toward the degree of their choice.*

AREA 31 COURSE DESCRIPTIONS

ADVANCED MANUFACTURING: INTEGRATED MECHANICS (NLPS: 7108, 7103, 7104)
ADVANCED MANUFACTURING: INTEGRATED MECHANICS CAPSTONE (NLPS: 7261)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grade 11, 12
Prerequisite: Algebra I and English 10
Dual Credit: Vincennes University – 18 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	150	Potential WBL experience with employer to meet 650 hr	**Year 2 Only:** NC3 - Introduction to Mechatronics (3.0) Industrial Technology Maintenance (ITM) – Level I – Basic Mechanical Systems (2.5)

- Identify basic manufacturing processes and major types of production systems
- Describe the need for workplace safety and workplace safety training programs
- Discuss basic blueprint reading fundamentals, and quality systems
- Perform basic measurement using precision measuring tools
- Explain the basic concepts of electrical, hydraulic, and pneumatic power systems
- Demonstrate a general knowledge of non-traditional manufacturing processes and automation
- Describe the design, tooling and production aspects of manufacturing
- Describe the basic concepts of machine control, machine automation, and electrical control
- Discuss the concepts of Lean Manufacturing, and Total Productive Maintenance.

Vincennes University credit can be earned for the following courses: **Please note college courses in bold have additional tuition costs of $25 per credit hour.**

Year 1:

DRAF 140	*Intro to CAD*	*3 credits*
CIMT 100	*Electronics for Automation*	*3 credits*
CIMT 100L	*Electronics for Automation Lab*	*3 credits*
PMTD 110	*Manufacturing Processes*	*2 credits*
PMTD 110L	*Manufacturing Processes Lab*	*1 credit*

Year 2:

CIMT 140	***Mechanical Drives***	***2 credits***
CIMT 140L	***Mechanical Drives Lab***	***1 credit***
CIMT 175	***Mechatronics***	***2 credits***
CIMT 175L	***Mechatronics Lab***	***1 credit***

AUTOMOTIVE SERVICE TECHNOLOGY (NLPS: 7213, 7205, 7212)
AUTOMOTIVE SERVICE TECHNOLOGY CAPSTONE (NLPS: 7375)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra I and English 10
Dual Credit: Ivy Tech Community College – 21 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	150 or technical internship	Potential WBL experience with employer Spring Semester	**Available Year 1 and Year 2:** ASE Entry Level Certification: Automatic Transmission (3.3) Automobile Maintenance and Light Repair (entry level) (3.0) Brakes (3.1) Electrical/Electronic Systems (3.0) Engine Performance (3.3) Engine Repair (3.3) Heating and Air Conditioning (3.3) Maintenance and Light Repair (3.0) Manual Drive Train and Axles (3.3) Steering and Suspension (3.3) Ivy Tech CT: Maintenance and Light Repair (3.0)

- Develop skills for entry level positions in eight specialty areas based on National Institute for Automotive Service Excellence: automatic transmission/transaxle, brakes, electrical systems, engine performance, engine repair, heating and air conditioning, manual drive train and axles, and suspension and steering
- Work with customers to service real vehicles
- Work-based learning experience possible for second year seniors with recommendation; **transportation required to worksite**
- Can earn ASE (Automotive Service Excellence) certifications and Maintenance Light Repair (MLR) certification from Ivy Tech

Ivy Tech credit can be earned for the following courses:

Year 1		
AUTI 100	*Basic Automotive Service*	*3 credits*
AUTI 111	*Electrical Systems I*	*3 credits*
AUTI 121	*Brake Systems I*	*3 credits*
AUTI 122	*Steering and Suspension*	*3 credits*
AUTI 14	*Driveline Service*	*3 credits*
Year 2		
AUTI 131	*Engine Performance*	*3 credits*
AUTI 141	*Engine Fundamentals*	*3 credits*

AVIATION FLIGHT TECHNOLOGY (NLPS: 7214, 7217, 7207)

Length/Credits:	3 periods; 3 credits
Offered:	2 semester program
Open to:	Grades 11, 12
Prerequisite:	Algebra 1 and English 10 GPA of 2.0 or higher *Accuplacer testing required for acceptance (Reading: 231+, Writing: 231+, Math: 245+)*
Dual Credit:	Vincennes University - 17 credits
Note:	This course is taught by Vincennes University faculty. **Students must provide their own transportation to Vincennes University Aviation Technology Center**, 2175 S. Hoffman Road, Indianapolis

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
TBD	N/A	N/A	**None**

- Introduce students to general aviation industry, including aircraft manufacturing, airline operations, air freight, airport management, government services, aviation safety regulations, and certifications
- Learn skills needed to pass the Federal Aviation Agency written pilot examination
- Study aircraft hydraulic systems, aircraft electrical systems, landing gear, brake systems, pressurization, constant speed propellers, prop syncrophasers, de-ice and anti-ice break systems, airframe construction techniques, and radar
- Develop skills for aircraft instrumentation, radios and systems
- Explore weather theory and data interpretation as it relates to aviation

Vincennes University credit may be earned for the following courses:

Sem. 1 (fall)

AMNT 100	*Intro to Aviation*	*2 credits*
AFLT 210	*Aircraft Systems, Perf. & Aerodynamics*	*3 credits*
AFLT 291	*Aviation Law and Regulations*	*3 credits*

Sem. 2 (spring)

AFLT 100	*Primary Ground School*	*4 credits*
AFLT 225	*Human Factors and Safety*	*2 credits*
AFLT 285	*Aviation Weather*	*3 credits*

AVIATION MAINTENANCE (NLPS: 7372, 7374,7376)

Length/Credits:	*3 period block; 3 credits*
Offered:	2 semester program
Open to:	Grade 12
Prerequisite:	Algebra 1 and English 10 GPA 2.0 or higher *Accuplacer testing required for acceptance (Reading: 231+, Writing: 231+, Math: 225+)*
Dual Credit:	Vincennes University -16 credits
Note:	This course is taught by Vincennes University faculty. **Students must provide their own transportation to Vincennes University Aviation Technology Center**, 2175 S. Hoffman Road, Indianapolis

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
TBD	N/A	N/A	**None**

- Study the mechanics of an airplane engine; how it works, and how to repair
- Study and experience aircraft servicing, operations, general electricity, publications, instrumentation, fire protection, cabin atmosphere, fuel systems and welding
- Learn from instruction by Vincennes University at the Aviation Technology Center at Indianapolis International Airport

- Requires excellent attendance (missed instructional time must be made up as required by F.A.A. regulations).

Vincennes credit can be earned for the following courses:

Sem. 1 (fall)

AMNT 112	*Grounds Ops, Corrosion, W&B*	*3 credits*
AMNT 112L	*Grounds Ops, Corrosion, W&B Lab*	*1 credit*
AMNT 116	*Materials, Processes, and Fluid Lines*	*3 credits*
AMNT 116L	*Materials, Processes, and Fluid Lines lab*	*1 credit*

Sem. 2 (spring)

AMNT 110	*Regulations & AV Fundamentals*	*3 credits*
AMNT 110L	*Regulations & AV Fundamentals Lab*	*1 credit*
AMNT 114	*Basic Electricity and Drawings*	*3 credits*
AMNT 114L	*Basic Electricity and Drawings Lab*	*1 credit*

COLLISON REPAIR TECHNOLOGY (NLPS: 7215, 7204, 7206)
COLLISION REPAIR TECHNOLOGY CAPSTONE (NLPS: 7380)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Vincennes University – 16 credits
Note: Juniors are scheduled into the morning class; seniors are scheduled into the afternoon class.

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	150 (or technical internship)	Potential WBL experience with employer to meet 650 hr	ASE Entry Level Certification: ASE – Collision Repair and Refinish: Non-Structural Analysis and Damage Repair (entry level certification) (2.8) ASE – Collision Repair and Refinish: Painting and Refinishing (entry level certification) (2.7)

- Learn to work on the bodies of cars and move into a wide variety of job possibilities
- Learn basics of computerized frame measuring; computerized estimate writing; metal working skills; hammer and dolly; filler applications, blocking and sanding; shrinking and stretching methods; refinish techniques and use of spray-painting equipment, computerized mixing and matching of paints (solvent and water based)
- Develop skills in MIG welding, plastic welding and plasma cutting
- Provide required work clothing and shoes
- Work-based learning experience possible for second year seniors with recommendation; **transportation required to worksite**; basic hand tools required for employment
- Can earn ASE (Automotive Service Excellence) certifications and SP2 Safety Certification

Vincennes University credits may be earned for the following courses:

1st Year

BODY 100	*Non-Structural Analysis Damage Repair*	*3 credits*
BODY 100L	*Non-Structural Analysis Damage Repair –Lab*	*4 credits*
AUTO 105	*Transportation Fundamentals*	*2 credits*

2nd Year

BODY 150	*Painting and Refinishing*	*3 credits*
BODY 150L	*Painting and Refinishing-Lab*	*4 credits*

CONSTRUCTION TRADES (NLPS: 7130, 7123, 7122)
CONSTRUCTION TRADES CAPSTONE (NLPS: 7242)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Ivy Tech – 15 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	150	Potential WBL experience with employer to meet 650 hr (Spring only)	**Year 1:** NCCER: Carpentry Level 1 (3.9) **Year 2:** NCCER: Carpentry Level 2 (3.9)

- Experience construction from the foundation up
- Explore career possibilities in the construction industry: carpentry, masonry, electrical, plumbing, concrete, painting, roofing, and drywall
- Earn OSHA certification
- Build a new home/building or renovate an existing building; emphasis placed on construction and practice
- Work in the heat and cold and everything in between; will need coveralls and winter clothing; tools, approximate cost $60

Ivy Tech credits can be earned for the following courses:

Year 1

BCTI 100	*Intro to Construction*	*3 credits*
BCTI 101	*Intro to Carpentry 1*	*3 credits*
BCTI 102	*Intro to Carpentry 2*	*3 credits*

Year 2

BCTI 103	*Carpentry Framing & Finish, 1*	*3 credits*
BCTI 104	*Carpentry Framing & Finish, 2*	*3 credits*

COSMETOLOGY (NLPS: 7330, 7331, 7332)
COSMETOLOGY CAPSTONE (NLPS: 7334)

Length/Credits: 4 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Note: Applicants must have a cumulative GPA of 2.0 or higher and good attendance record
Dual Credit: Vincennes University – 28 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	150	N/A	**Year 2:** Indiana State Board of Cosmetology and Barber Examiners - 1500 Cosmetology (2.3)

- Develop proficiency in all skills of beauty culture to qualify for the State Board of Beauty Culture examination
- Attend 4-hour class, am or pm at Ben Davis High School; or am at PJ's in Brownsburg for first year students
- Attend P. J.'s Beauty College in Plainfield or Brownsburg for second year students**; Second year students must have own transportation and attend on Saturdays**
- Demonstrate skills in shampoos and sets, iron outs, updos, permanents, relaxers, scalp treatments, facial treatments, haircuts, hair color, manicures, pedicures, waxing, proper sanitation, and personal hygiene
- Complete required 1500 hours in two-year period
- Provide services on manikins, other students, and clients hair, skin and nails
- Purchase beautician kit before the start of school; contains supplies and materials used every day; **1st year cost is approximately $450; 2nd year cost determined by PJ's (approximately $250**)
- Indiana State Board of Cosmetology Certification

Vincennes University credit can be earned for the following courses

Year 1

COSM 100 Cosmetology I 7 credits
COSM 150 Cosmetology II 7 credits

Year 2

COSM 200 Cosmetology III 7 credits
COSM 250 Cosmetology IV 7 credits

CRIMINAL JUSTICE (NLPS: 7193, 7191, 7188)

Length/Credits: 3 period block; 3 credits
Offered: 2 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Vincennes University- 12 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	N/A	N/A	Certified Indiana County Jail Officer (3.3)

- Study fundamentals of criminal investigation, theory and history; and techniques appropriate to specific crime scenes
- Learn traffic administration and control: its impact as a control method, driver licensing local traffic control systems, accident causation and investigation, identification and analysis of traffic problems, traffic safety coordination, and the use of selective enforcement as a method of traffic control
- Study US criminal justice system
- Explore forensic science and its value in the courtroom: laboratory procedures and capabilities; crime scene searching and sketching; photography; firearms and tool mark identification; fingerprints; shoe and tire impressions; headlamp examination; arson; analysis and preservation of trace evidence
- Uniform required (approximately $150)

NOTICE: Students in this program may be assigned to a Brownsburg or Wayne Township location based on considerations such as program enrollment numbers and the student's home high school. The Area 31 Enrollment Committee makes enrollment decisions and placement decisions are made by Area 31 Career Center administration.

Vincennes University credits may be earned for the following courses:

Fall Semester

LAWE 101 Basic Police Operations *3 credits*
LAWE 150 Criminal Minds & Deviant Behavior *3 credits*

Spring Semester

LAWE 100 Survey of Criminal Justice *3 credits*
LAWE 145 Ethics & Professionalism *3 credits*

CULINARY ARTS AND HOSPITALITY MANAGEMENT (NLPS: 7173, 7171, 7169)
CULINARY CAPSTONE (NLPS: 7233)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Vincennes University – 36 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	150	N/A	**Year 1:** ServSafe Food Manager (not recognized on CoV)

- Prepare for entry-level positions in the culinary field, and who knows... maybe even open your own restaurant one day!
- Learn safety and sanitation, food costs, management skills, and continued exploration of basic cooking techniques, table service, food and culture, and careers
- Gain firsthand kitchen and dining room experience by operating a student run restaurant open for the public
- Explore employment opportunities include prep cook, line cook, kitchen manager, sous chef, or chef host/hostess, server's assistant, server, assistant manager, or manager.
- Earn nationally recognized ServSafe Certification
- Required uniform: chef coat (3), hat (2), pants (2), and apron; **approximate cost $130**

Vincennes University credit can be earned for the following courses: **Please note college courses in bold have additional tuition costs of $25 per credit hour.**

Year 1 - Fall

CULN 110 Quantity Food Production *5 credits*
REST 100 Intro to Hospitality Mgmt. *3 credits*
REST 120 Food Service Sanitation *3 credits*

Year 1 – Spring

CULN 210 Pastry & Bake Shop Production 5 credits
REST 230 Menu Planning & Facility Design 3 credits

Year 2 – Fall

CULN 150 Adv Quantity and Food – Lab 5 credits
CULN 215 Supervision of Quantity Foods 3 credits
REST 155 Quantity Food Purchase 3 credits

Year 2 - Spring

REST 213 Beverage III – Non-Alcohol Bever. 1 credit
CULN 260 Haute Cuisine & Specialty 5 credits

DENTAL CAREERS (NLPS: 7315, 7316, 7317)

Length/Credits: 3 period block; 3 credits
Offered: 2 semester program
Open to: Grade 12
Prerequisite: Algebra 1 and English 10
Dual Credit: N/A

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	N/A	N/A	National Entry Level Dental Assistant Certification (NELDA) (3.0)

- Participate in a program accredited by the Dental Assisting National Board
- Receive hands-on training to develop skills necessary to succeed on the job as a dental assistant
- Perform duties such as instrument sterilization, tray setups, four-handed dentistry, equipment maintenance, impressions, model trimming, charting, and dental reception duties
- Pursue National Entry Level Dental Assistant Certification (NELDA) and an Indiana Radiology License
- Required to provide a TB test and documentation, and a copy of Hepatitis vaccination series
- Required to wear ceil blue scrubs and white tennis shoes

DIGITAL INTEGRATED MANUFACTURING I (NLPS: 7220, 4728, 7100)
DIGITAL INTEGRATED MANUFACTURING II (NLPS: 7222)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Ivy Tech Community College – 12 Credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	150	Potential WBL experience with employer to meet 650 hr	**Year 1:** C101 Industry 4.0 Basic (Fall) (2.5) C102 Industry 4.0 Basic (Spring) (2.5) **Year 2:** C201 Electrical Systems I (Fall) (3.7) C205 Sensor Logic Systems (Spring)(3.0)

- Earn OSHA 10 Hour Safety Training
- Study Blueprint development & reading
- Study various types of material handling

- Learn maintenance awareness skills
- Learn various types of machine operations and hand tools
- Learn principles of manufacturing processes and LEAN Manufacturing
- Learn precision measurement and measurement conversions
- Study various Quality concepts and techniques
- Learn Industrial Internet of Things (IoT)
- Learn Programing of Programmable Logic Controllers (PLC)
- Learn the operation of High and low voltage electrical circuits & sensors
- Learn Relay control circuits
- Study various types of Ethernet and Network communications
- Learn Robotic theory & programming
- Learn CNC machining & programming
- Study the operations of Hydraulics & fluid power, Pneumatics, and compressed air systems
- Learn Mechanical power transmission, including gears, belts, and chain drives
- Students can earn Ivy Tech credits and certifications such as OSHA 10, and Alliance certifications.

Ivy Tech Community College credits may be earned for the following courses:

Year 1

SMDI 110 Introduction of IIOT 3 Credits
SMDI 111 Technology in Smart Man & Digital 3 Credits

Year 2

SMDI 130 Electrical Systems in Manufacturing – CAPSTONE 3 credits
INDT 205 Programmable Automation Controls – CAPSTONE 3 credits

EARLY CHILDHOOD EDUCATION (NLPS: 7160, 7158, 7159)

Length/Credits: 3 period block; 3 credits
Offered: 2 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10;
Child Development & Advanced Child Development (preferred)
Dual Credit: Ivy Tech Community College – 9 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	N/A	See Capstone	See Capstone

- Learn stages of a child's physical, emotional, social, and cognitive development, and skills in instruction and observation
- Develop skills and techniques for providing appropriate environments and care for young children
- Participate at Giant Preschool Learning Center (ages 3, 4, and 5) and Chapelwood Elementary school and possible Early Learning Academy: observing, teaching, and working one-on-one with students
- **Students must complete: physical, TB test and documentation, and an Indiana State Police Criminal Background Check**
- **Complete training in: First Aid, CPR, and Universal Precautions**

Ivy Tech Community College credits may be earned upon successful completion of coursework with a grade of A or B. Identified *courses must pass Accuplacer testing:

**ECED 100 Intro to Early Childhood Ed 3 credits*
**ECED 101 Health, Safety & Nutrition 3 credits*
**ECED 103 Curriculum in the Classroom 3 credits*
**ECED 120 Child Growth & Development 3 credits*

Ivy Tech Community College credits can be earned for the following course with "C" or higher in ECED 100, 101, and 103
YEAR 2: ECED 105CDA Process 3 credits

EARLY CHILDHOOD EDUCATION CAPSTONE (WBL) (NLPS:)

Length/Credits: 3 period block; 3 credits
Offered: 2 semester program
Open to: Grade 12
Prerequisite: Completion of Early Childhood Education and teacher recommendation
Dual Credit: Ivy Tech Community College – 3 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
		WBL experience with employer to meet 650 hr	Child Development Associate (CDA) (2.3)

- Work and receive high school credit while gaining work experience for CDA (Child Development Associate) credentialing
- Students work in a licensed day care center in the community
- Teacher recommendation is required for second year enrollment and participation in the program
- **Personal transportation required to jobsite**
- Competitive placement – must interview for a position
- Grades, classroom performance, and attendance are reviewed before acceptance in the second-year work-based learning program
- Students will complete CDA portfolio/test/verification visit

Ivy Tech Community College credits can be earned for the following course with "C" or higher in ECED 100, 101, and 103
ECED 105 CDA Process 3 credits

EMERGENCY MEDICAL SERVICES (NLPS: 7168, 5274, 7165)

Length/Credits: 3 period block; 3 credits
Offered: 2 semester program
Open to: Grade 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Ivy Tech Community College – 7 ½ credits
Note: **Students must be 18 years of age prior to completion of clinical experiences for certification and to take the state certification exam.**

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	N/A	N/A	EMT - Basic Certification (3.0) Emergency Telecommunicator Certification (3.0)

- Learn about life and death situations, spontaneous decision making, and careers in advanced medical positions
- Prepare for further study for an associate degree in Emergency Medical Services

- Learn to recognize a patient's condition; the seriousness, and how to use appropriate emergency care techniques and equipment to stabilize the patient
- Earn certifications which include American Heart Association (AHA) Healthcare Provider CPR or American Red Cross (ARC) Professional Rescuer CPR, IAED Emergency Dispatch/Telecommunication Certificate
- Document clinical experiences, some to be completed on student's own time (evenings and weekends)
- Students are required to have a complete physical, TB test with documentation, immunization records and a limited criminal history check.
- National Registry Emergency Medical Technician (NREMT) Certification upon completion of standards and test
- **Required uniform will cost approximately $75**

Ivy Tech credits may be earned for the following course:
PARM 102 EMT Basic Training 7 ½ credits

FIRE AND RESCUE (NLPS: 7195, 7189, 7186)

Length/Credits: 3 period block; 3 credits
Offered: 2 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Ivy Tech – 12 credits
Note: Classes are held at ESEC (Emergency Service Education Center) at 700 North High School Road; **Students must provide their own transportation to ESEC**

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	N/A	N/A	Haz-Mat Awareness & Operations (n/a) Firefighter I Certification - Homeland Security (4.3) Firefighter II Certification - Homeland Security (4.3)

- Experience an adrenaline rush, burning buildings, blazing fires
- Prepare for entry-level positions or further study in fire service
- Study fire protection systems, fire prevention and safety education, building construction and floor plans, fire, safety and construction codes
- Prepare for Firefighter I & II certifications exams
- Learn the importance of on-scene and on-the-job firefighter health, safety and fitness
- **Uniform required: shirts, safety glasses, gloves; approximately $130**
- ISHAA physical is required

Ivy Tech credits may be earned for the following courses:

HSPS 102	*Intro to Public Safety*	*3 credits*
HSPS 122	*Hazmat Awareness and Operations*	*3 credits*
HSPS 165	*Firefighter I*	*3 credits*
HSPS 167	*Firefighter II*	*3 credits*

GRAPHIC IMAGING TECHNOLOGY (NLPS: 7140, 7141, 5550)
GRAPHIC IMAGING TECHNOLOGY CAPSTONE (NLPS: 7246)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Vincennes University – 12 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	150	Potential WBL experience with employer to meet 650 hr	N/A

- Create your own logo, then sport it, spread it, promote it! What's your brand?
- Provide hands-on training utilizing current graphic arts fundamentals
- Create computer-generated imagery and image assembly, graphic reproduction methods, and current technology available in finishing and bindery
- Experience real time production work in a graphics laboratory
- Train on state-of-the-art equipment in the most technically current printing facility available in a high school setting
- Work-based learning experience possible for second year seniors with acceptable grades, good attendance, and a recommendation; **transportation required to work site**
- Learn and use Adobe Photoshop, Illustrator & In-Design

Vincennes University credit may be earned for the following courses:

DESN 120	*Computer Illustration*	*3 credits*
DESN 140	*Computer Imaging*	*3 credits*
ARTT 111	*Visual Design*	*3 credits*
DESN 155	*Computer Page Layout*	*3 credits*

HEATING AND AIR (HVAC) (NLPS: 7131, 7125, 7126)
HEATING AND AIR (HVAC) CAPSTONE (NLPS: 7244)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Ivy Tech Community College – 9 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	150	Potential WBL experience with employer to meet 650 hr	EPA 608 Universal - include Core, Type 1, Type 2, Type 3 (*removed from CoV list)

- Prepare and explore careers in the field of Heating and Air
- Study tools, safety, electrical circuits, proper handling of equipment, temperature control, installation of equipment, sheet metal layout and design, pipefitting, and work attitudes
- **Work based learning experience possible for second year seniors with recommendation and transportation to job site**
- Opportunity to earn OSHA certification and EPA certifications

Ivy Tech Community College credits may be earned for the following course:

HVAC 101	*Heating Fundamentals*	*3 credits*
HVAC 103	*Refrigeration I*	*3 credits*
HVAC 100	*Intro to HVAC Tech*	*3 credits*

HORTICULTURE SCIENCE (NLPS: 7117, 5132, 7114)
HORTICULTURE SCIENCE (NLPS: 7232)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Ivy Tech Community College – 21 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	150	Potential WBL experience with employer to meet 650 hr	Ivy Tech CT: Horticulture Certificate (2.6)

- Study basic horticulture & landscape skills and career opportunities
- Understand common horticultural and agricultural diseases and pests, and the management of each
- Identify common horticultural plants and understand best uses
- Perform plant and vegetable production in greenhouse setting
- Understand the size and productivity of farms and ranches in the US and around the world
- Understand US production systems for major grain crops, including Crop Rotation Systems, Tillage Systems, Variety Selection, and Harvest and grain storage technology
- Have students recognize the role of producers, input suppliers, food marketing organizations, and consumers in the U.S. Agricultural economy
- Help students understand and develop the qualities and characteristics employers in agribusiness expect in prospective employees
- Can earn *Urban Horticulture Certification* from Ivy Tech Community College upon successfully completing all program dual credits

Ivy Tech credits may be earned for the following courses:

Year 1

AGRI 116	*Survey of Horticulture*	*3 credits*
AGRI 117	*Soil Science*	*3 credits*
AGRI 100	*Introduction to Agriculture*	*3 credits*
AGRI 102	*Agricultural Business and Farm Mgmt*	*3 credits*
AGRI 175	*Introduction to Greenhouse Mgmt.*	*3 credits*
AGRI 129	*Alternative Growing Methods*	*3 credits*

Year 2

AGRI 130	*Intro to Vegetable Production*	*3 credits*
AGRI 176	*Urban Food Production*	*3 credits*

** *Students can earn Urban Horticulture Certification from Ivy Tech Community College upon successfully completing all program dual credits.*

MEDICAL ASSISTING (NLPS: 7168, 5274, 7164)

Length/Credits: 3 period block; 3 credits
Offered: 2 semester program
Open to: Grade 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Ivy Tech Community College 15.5 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV score)
150	N/A	Potential WBL experience with employer to meet 650 hr	Certified Clinical Medical Assistant (CCMA) (2.0) CCMA Development Prep Certificate (CT) (Ivy Tech) (2.0)

- Learn duties and responsibilities of administrative and clinical medical assistants
- Learn to assist in minor surgical procedures, record vital signs, perform venipuncture, administer EKGs and injections, CPR Training
- Understand anatomy and physiology: all body systems and organization
- Study exam room procedures, aseptic practices, medical spelling and terminology, and law and ethics
- Learn to implement basic accounting procedures, file insurance claims, bill and schedule patients, prepare medical charts, reports, keyboarding and dictation and correspondence
- After graduation students who complete the program with a 70% or above will be eligible to take the CCMA certification
- **Requirements: approved uniform, shoes, TB and Hepatitis B health certificates**

NOTICE: Students in this program may be assigned to a Brownsburg or Wayne Township location based on considerations such as program enrollment numbers and the student's home high school. The Area 31 Enrollment Committee makes enrollment decisions and placement decisions are made by Area 31 Career Center administration.

Ivy Tech credits may be earned for the following courses:

Fall

HLHS 100	*Intro to Health Careers*	*3 credits*
HLHS 101	*Medical Terminology*	*3 credits*
HLHS 102	*Essentials of Anatomy and Physiology*	*3 credits*

Spring

MEAS 225	*CCMA Development Prep*	*6 credits*
HLHS 104	*CPR/Basic Life Support*	*.5 credit*

NETWORKING & CYBERSECURITY (NLPS: 7183, 7180, 7182)
NETWORKING & CYBERSECURITY CAPSTONE (NLPS: 7251)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Vincennes University – 33 credits

NOTICE: Students in this program's first year may be assigned to a Brownsburg or Wayne Township location based on considerations such as program enrollment numbers and the student's home high school. The Area 31 Enrollment Committee makes enrollment decisions and placement decisions are made by Area 31 Career Center administration.

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV Score)
150	150	N/A	CompTia A+ Certification Core I (3.0) CompTia A+ Certification Core II (3.0)

- Learn the basics of cybersecurity through labs and activities
- Perform some of the routine tasks of a cybercrime and computer forensics investigator
- Learn how to ethically hack computer systems
- Perform activities and labs that enable you to become a Windows 10 technician
- Learn how to build a virtual environment and keep them safe
- Engage in activities that can help you become a pro in data security
- Through labs and hands on learning how to build your own CISCO Network
- Opportunity to earn CISCO certification, COMP TIA certification, and A+ certification

Vincennes University credit can be earned for the following courses: **Please note college courses in bold have additional tuition costs of $25 per credit hour.**

Fall Year 1		
CNET 146	***Intro to Network Operations and Security***	***3 credits***
CNET 151	*Information and Data Security I*	*3 credits*
COMP 146	***Computer Configuration and Mgmt. I***	***3 credits***
Spring Year 1		
CNET 246	***Fundamentals in Networking Ops***	***3 credits***
CNET 251	*Information and Data Security II*	*3 credits*
COMP 177	***Intro Programming Logic***	***3 credits***
Fall Year 2		
CNET 155	*Basic Cyber Crime and Computer Forensics*	*3 credits*
CNET 236	***Operating Systems I***	***3 credits***
COMP 232	***Business Driven Communications and Net***	***3 credits***
Spring Year 2		
CNET 227	***Cybersecurity Operations***	***3 credits***
CNET 237	***Operation Systems II***	***3 credits***
CNET 255	***Adv Research in Cyber Crime and Forensics***	***3 credits***

PHARMACY TECH (NLPS: 7137, 5274, 7167)
PHARMACY TECH CAPSTONE (NLPS: 7310)

Length/Credits:	3 period block; 3 credits
Offered:	4 semester program
Open to:	Grade 11, 12
Prerequisite:	Algebra 1 and English 10; GPA 2.7 or higher, B- or higher in Algebra 2 or qualify through Accuplacer QAS of 245+
Dual Credit:	Vincennes University – 22 credits
Note:	***Students must provide a background check in order to apply for Indiana Technician in Training License***

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV)
150	75 (Fall)	250 WBL (Spring)	Pharmacy Technician Certification Board (2.3) Pharmacy Tech Certificate (CG) Vincennes Univ. (2.3)

- Learn how to assist licensed pharmacists and provide medication and other healthcare products to patients
- Perform routine duties such as counting tablets, labeling bottles, updating patient information and processing insurance claims
- Learn about patient confidentiality and ethics governing pharmacy practice; policies and procedures related to a pharmacy tech position; purchasing, inventory control, and record keeping involved in drug orders
- Conduct labs including storage, packaging, and labeling requirements of drugs, prescriptions, and drug orders
- Apply arithmetic calculations required for dosage determinations

Vincennes University credit can be earned for the following courses:

Fall Year 1

HIMT 110	*Medical Term*	*3 credits*
PHRM 105	*Pharmacology I*	*3 credits*
PHRM 220	*Pharmacy Calculations*	*3 credits*

Spring Year 1

PHRM 110	*Dispensing Lab I*	*2 credits*
PHRM 115	*Pharmacy Law for Technicians*	*3 credits*
PHRM 200	*Pharmacy Mgmt.*	*3 credits*

PHARMACY CAPSTONE:

- 1st semester students are scheduled in **AM**; 2nd semester students are scheduled in **PM**
- Students must pass all pharmacy college course to continue in capstone
- On the job training; work in a Pharmacy environment
- **Students must furnish their own transportation to job sites**

Vincennes University credit can be earned for the following courses:

Fall Semester

PHRM 206	*Pharmacology II*	*3 credits*
PHRM 211	*Dispensing Lab II*	*2 credits*

Spring Semester

**PHRM 225*	*Practicum*	*5 credits*

PRE-NURSING (NLPS: 7168, 5274, 7166)

Length/Credits: 3 period block; 3 credit
Offered: 2 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Ivy Tech Community College – 14 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV)
150	N/A	WBL experience with employer to meet 650 hr	Certified Nursing Assistant (2.3) Certified Nursing Aide Certificate ITCC(2.0)

- Experience the high demand of the health care field
- Build foundational skills in preparation to enter the medical field: medical, dental, laboratory, or nursing
- Focus on medical terminology, anatomy/ physiology, professional development (career investigation, job search, medical hands-on tasks, leadership, etc.), and Certified Nurse Aide (CNA) training
- Complete a clinical experience at an approved health care facility under the supervision of a licensed nurse
- **Required physical ($25), TB tests and documentation ($25), and criminal background check ($21.00)**
- **Other costs possible: transportation and the state certification exam (approximately $75.00)**
- **Required uniform cost is approximately $60-$80**
- Grades, classroom performance, and attendance are reviewed before acceptance in a second-year program
- **CPR certification approximately $30**

NOTICE: Students in this program may be assigned to a Brownsburg or Wayne Township location based on considerations such as program enrollment numbers and the student's home high school. The Area 31 Enrollment Committee makes enrollment decisions and placement decisions are made by Area 31 Career Center administration.

Ivy Tech Community College credits may be earned for students with a GPA of a 2.6 or higher or with the completion of the Ivy Tech Knowledge Assessment.

Fall Semester

HLHS 101 Medical Terminology 3 credits
HLHS 102 Essentials of Anatomy and Physiology 3 credits

Spring Semester

HLHS 100 Intro to Health Careers 3 credits
HLHS 107 CNA Preparation 5 credits

HEALTHCARE SPECIALIST CAPSTONE (CNA WBL) (NLPS: 7255)

Length/Credits: 3 period block; 3 credit
Offered: 2 semester program
Open to: Grades 12
Prerequisite: Teacher recommendation and State CNA Certification
CPR Certification

- On the job training; work in a health-related environment
- Completion of the CNA certification will increase employment possibilities
- **Students must furnish their own transportation to job sites**

PRECISION MACHINING (NLPS: 7109, 7105, 7107)
PRECISION MACHINING CAPSTONE (NLPS: 7219)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Vincennes University – 21 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV)
150	150	Potential WBL experience with employer to meet 650 hr	**Year 2:** NIMS Machining Level I- CNC Mill Operations (3.6)

- Develop skills to become employed immediately out of school
- Prepare for employment within the machine tool technology industry
- Study measurement, layout and inspection; machine tool processes and operations; metallurgy, welding, shop math, and reading blueprints
- Learn operation of band saw, drill press, lathe, milling machine and surface grinder
- College Credits transferable into Vincennes University's Machine Trades Technology programs
- Opportunity to obtain APICS Certificate: Logistics; APICS Certificate: Operations; MSSC Certificate: Certified Logistics Associate

Vincennes University credit can be earned for the following courses: **Please note college courses in bold have additional tuition costs of $25 per credit hour.**

1st Year

PMTD 105 Metallurgy & Industrial Blueprint 2 credits
PMTD 110 Manufacturing Processes 2 credits
PMTD 110L Manufacturing Processes Lab 1 credit
PMTD 120 General Machines 6 credits

2nd Year

PMTD 116	***Introduction to CNC Programming***	***2 credits***
PMTD 111	***Advanced Machine Tools I***	***3 credits***
PMTD 115	***CNC Set Up and Operation***	***2 credits***
PMTD 112	***Advanced Machine Tools II***	***3 credits***

RADIO BROADCASTING (NLPS: 7139, 7306, 7307)
RADIO BROADCASTING CAPSTONE (NLPS: 7308)

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Vincennes University – 6 credits

Indiana Diploma Seal: Communication Focused Course

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV)
150	150		N/A

- You could be on the air, 90.9, "First on your dial for variety,"
- Learn firsthand on WBDG, a student run 400 Watt FCC-licensed FM radio station
- Learn basic operation of a radio station, radio programming, voice and diction, organization, time management, and teamwork
- Specialty areas include sports announcing, disc jockeying, voice-over work, news casting, news reporting, broadcast writing, non-commercial fundraising, and audio production
- Complete real-world projects and learn by doing, by correcting mistakes, and by improving daily
- May require before, during, and after school assignments as a part of the course curriculum

Vincennes University credit may be earned for the following courses:

Year 1

BCST 102	*Intro Audio/Visual Production*	*3 credits*

Year 2

BCST 120	*Audio Production I*	*3 credits*

SUPPLY CHAIN MANAGEMENT (NLPS: 4562, 7155, 7142)

Length/Credits: 3 periods – 3 credits
Offered: 2 semesters
Open to: Grades 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Ivy Tech – 15 Credits
Certifications: MSSC Certified Logistics Technician & MSSC Certified Logistics Associate
NOTE: Class is taught by Ivy Tech Faculty

Location of class at the "MADE" Plainfield facility, students will meet on specific days TBD, other days will be on-line. Student must provide own transportation.

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV)
N/A	N/A		Certified Logistic Technician (5.0)

- Explore basic concepts of supply chain management, customer service, transportation, purchasing, inventory, and warehouse management.
- Study the concepts of Lean disciplines relating to the ability of an enterprise to develop a work environment that promotes continuous improvement, eliminates waste, reduces operating cost, improves quality, and achieves measurable improvement in customer satisfaction.
- Learn strategic concepts such as planning and design, customer service, transportation, purchasing, forecasting, inventory and warehouse management.
- Focus on the logistics sector of business by examining the structure and importance of the commercial transportation industry.

Ivy Tech Community College credits may be earned for the following courses:

Fall

LOGM 127	*Intro to Logistics*	*3 credits*
LOGM 229	*Transportation Systems*	*3 credits*

Spring

LOGM 201	*Logistics Quality & Lean Mfg.*	*3 credits*
LOGM 227	*Supply Chain Mgmt.*	*3 credits*

TELEVISION BROADCASTING (NLPS: 7139, 7306, 7307)
TELEVISION BROADCASTING CAPSTONE (NLPS: 7308)

Length/Credits: 3 period Block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Vincennes University – 6 credits

Indiana Diploma Seal: Communication Focused Course

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV)
150	150		N/A

- Be a star on WBDTV or work behind the scenes; lights, cameras, action!
- Learn television camera operations, audio, lighting, writing, and editing
- "Hands-on" approach to learning about studio production: anchoring, directing, producing, studio cameras, audio, and studio lighting
- Produce programming that will be aired on closed-circuit television at Ben Davis High School

Vincennes University credits may be earned for the following courses *with required grade and Accuplacer scores*:

Year 1

BCST 102	*Intro to Audio/Visual Production*	*3 credits*

Year 2

BCST 140	*Video Production I*	*3 credits*

TRACTOR/TRAILER OPERATION (NLPS: 5622)

Length/Credits: 3 period block, 3 credits
Offered: 1 semester program (Spring Only)
Open to: Grades 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Vincennes University -Workforce Development Certificate
NOTE: Course taught by Vincennes University Faculty
Students must provide their own transportation to MADE Plainfield facility and ESEC

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV)
75			Commercial Drivers License - class A (4.3)

Requirements:

- Must be 18 years old by March 1
- Must have held a valid Indiana Operator's License for at least 1 year prior to starting the course
- Be able to pass a Department of Transportation physical & Drug Screen, 3 knowledge exams administered by BMV, prior to hands-on training

Course Description:
This program prepares students for entry-level positions in the tractor-trailer driver marketplace. Training includes:

80 hours of classroom instruction covering:

- Federal regulations governing commercial motor vehicle operation
- Vehicle inspection procedures
- Proper maintenance practices
- Overall vehicle safety

Backing-range instruction to learn and master a variety of backing skills.
On-road driving instruction, including pulling loaded van trailers under:

- Two-lane road conditions
- Expressway conditions
- City streets during heavy traffic

Approximate expenses for student include:

- **$17 CDL Learners Permit (CLP): payable to the IN BMV**
- **$36 Commercial Driver's License, payable to the IN BMV**
- **$4 Motor Vehicle Record**
- **$175 for additional test attempts, if needed**

Upon passing the IN State BMV exam, students will be qualified to operate Class A commercial vehicles on Indiana roads.

WELDING TECHNOLOGY (NLPS: 7110, 7111, 7101)

Length/Credits: 3 periods – 3 credits
Offered: 2 semester program
Open to: Grades 11, 12
Prerequisite: Algebra 1 and English 10
Dual Credit: Ivy Tech Community College – 9 credits

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value (CoV)
150	N/A	Potential WBL experience with employer to meet 650 hr	AWS Sense: Level 1 (3.0)

- Become proficient in welding processes including: SMAW (stick), GMAW (MIG), and GTAW (TIG)
- Study industry standards in safety, blueprint reading, fabrication techniques and welding procedures
- Earn American Welding Society (AWS) SENSE: Entry Level Welder certification upon completing the course and passing certification test
- Earn S/P2 (Safety & Pollution) certification

WELD 100 Welding Fundamentals 3 credits
WELD 108 Shielded Metal Arc Welding I 3 credits
WELD 207 Gas Metal Arc (MIG) Welding 3 credits

WORKBASED LEARNING (NLPS: 5974)

Length/Credits: 3 periods – 3 credits
Offered: 2 semester program
Open to: Grades 12
Prerequisite: Successful completion of Welding Technology and, Teacher Recommendation is required for second year enrollment and participation in the program

Indiana Diploma Seal:

Simulated WBL Year 1	Simulated WBL Year 2	Technical Internship: WBL Year 2	Credentials of Value
		WBL experience with employer to meet 650 hr	

- **Personal transportation required to jobsite**
- Competitive placement – must interview for a position
- Students work in a job in a welding or related career
- **Students will be required to work a minimum of 15 hours a week and complete a Work Based Learning training plan.**

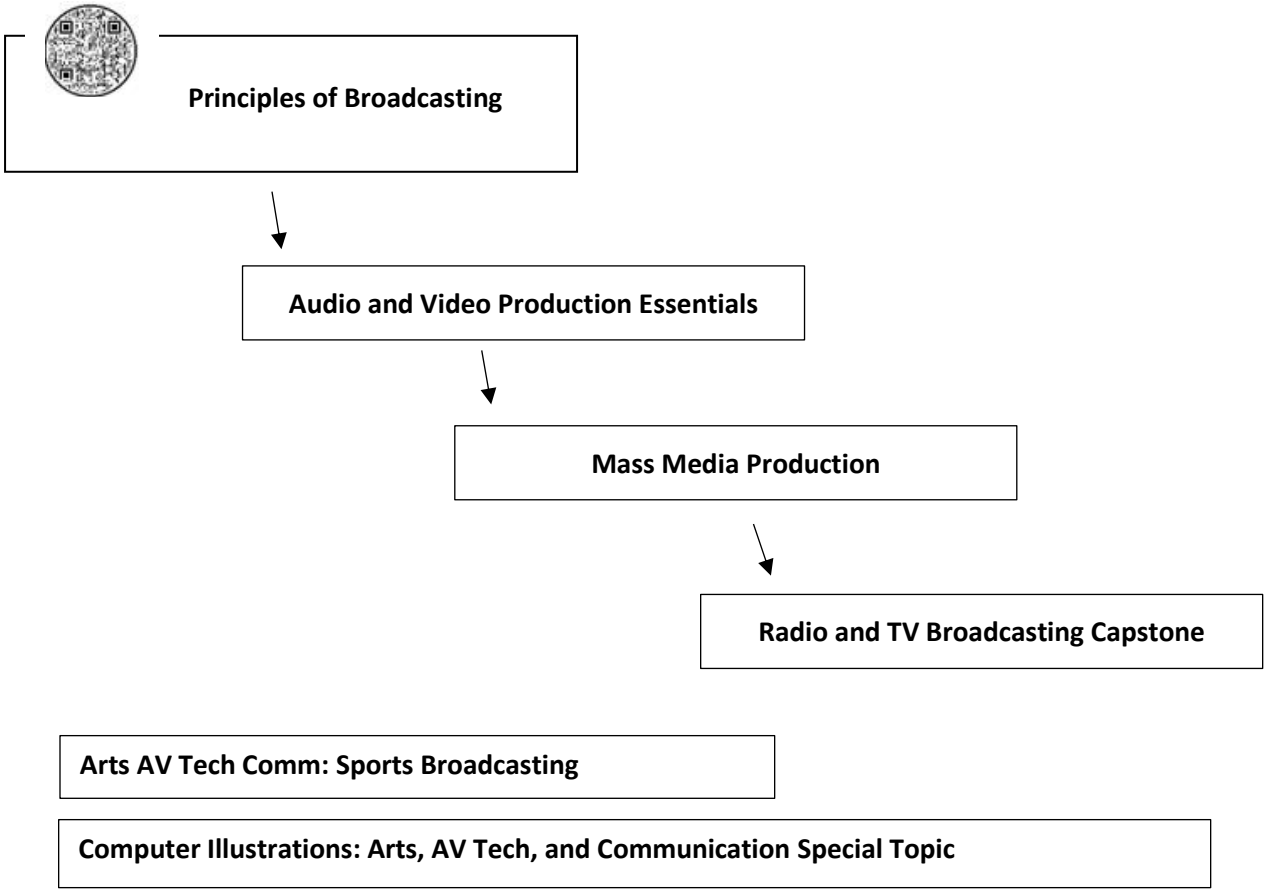
The MSD of Wayne Township ("District") does not discriminate or tolerate harassment on the basis of a protected class including but not limited to race, color, national origin, sex, age, religion, genetic information or disability in the programs or activities which it operates or the employment therein or admission thereto. This commitment applies to all District operations, programs, and activities. All students, administrators, teachers, staff, and all other school personnel share responsibility for avoiding, discouraging, and reporting any form of unlawful harassment. This policy applies to unlawful conduct occurring on school grounds immediately before, during, or immediately after school hours; in any school program or activity taking place in school facilities, on school transportation, or at other off-campus locations, such as at school-sponsored field trips or a training program; or using property or equipment provided by the school, including school-owned computers and the school's computer network. In accordance with IC

22-9.3, it is unlawful discrimination for a school corporation to take an education or employment action based on race, religion, color, sex, national origin, or ancestry ("personal characteristics"). Also in accordance with IC 22-9-3, it is unlawful to require an employee to undergo training that asserts that a person having a specific personal characteristic is inherently superior or inferior to a person having a different characteristic, that a person, by virtue of the person's personal characteristic, should be blamed for actions committed in the past, or that a person's moral character is determined, in whole or in part, by the person's personal characteristic, and a school corporation employee may not implement any of these theories or compel a student to do so.

The District has designated several staff members as coordinators of non-discrimination and anti-harassment. The identity and contact information for these staff members are listed below. The coordinators are responsible for monitoring and ensuring compliance with all non-discrimination and anti-harassment laws. The coordinators shall document all reports of discrimination or harassment and establish a protocol for recordkeeping. Nothing in this procedure shall supersede or substitute an employee's other mandatory reporting obligations, including, but not limited to, reporting suspected child abuse and neglect and bullying.

BROADCASTING COURSES/AVON TV PROGRAM

CLASSES OF 2028 & BEYOND



Extra Curriculars Available:

- Student Television Network Club (STN)
- Avon Action Club – sports broadcasting
- Animation Club
- The live Oriole Report announcements
- Lettering based on point system

+ Avon TV is a member of IASB and STN, giving students the opportunity to join an honors society and participate in the state contest.

BROADCASTING EDUCATION COURSE DESCRIPTIONS

Career Pathways/Program of Study – Classes of 2028, 2029, 2030, and 2031				
Pathway/Program of Study	**Example careers**	**Principles Course**	**Concentrator Course A**	**Concentrator Course B**
Radio & Television Broadcasting	TV/news producer	Principles of Broadcasting	Audio & Video Production Essentials	Mass Media Production

PRINCIPLES OF BROADCASTING (7139F-7139S)

Radio & Television Broadcasting Pathway 1 of 3

DOE Course code: 7139
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

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

VU BCST AUDIO AND VIDEO PRODUCTION ESSENTIALS (7306FD-7306SD)

Radio & Television Broadcasting Pathway 2 of 3

DOE Course code: 7306
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma, Communication Focused Course
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Principles of Broadcasting with a grade of C or better
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

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

VU BCST 140/206 MASS MEDIA PRODUCTION (7307FD-7307SD)

Radio & Television Broadcasting Pathway 3 of 3

DOE Course code: 7307
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma, Communication Focused Course
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Princ of Broadcasting; Audio & Video Prod Essentials with a grade of C or better
Participation expectations: Students must apply and be accepted with VU for dual credit. $75 tuition fee per semester
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

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

RADIO & TV BROADCASTING CAPSTONE (7308F-7308S)
DOE Course code: 7308
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma, Communication Focused Course
Credit value and course length: Two semesters – 2-6 credits
Eligible grade level(s): 12
Prerequisites: Principles of Broadcasting, Audio & Video Production Essentials, and Mass Media Production
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Radio & TV Broadcasting Capstone will cover a variety of domains further building on skills in video production and broadcast industry practices specific to radio, television, and digital media. It will be geared toward students pursuing the career to help build their portfolio through community-based projects. Attention will be given to gain real world experience, much like an internship. This practicum may be completed through a school-based enterprise. Students may need to leave campus to conduct community interviews for the real-world experience and should have their own means of transportation to do so. This could potentially be more than one class period and worth more class credits, with the structure of an "internship" but through the class and community coverage.

ARTS AV TECH COMM: SPORTS BROADCASTING (4580F-4580S)
DOE Course code: 4576, Arts, AV Tech and Communication: Special Topic
Diploma / graduation requirement: Core 40, Indiana Diploma
Credit value and course length: Two semesters – 2 credits
Eligible grade level(s): 9, 10, 11, 12
Placement requirements: Must also be concurrently enrolled in either: Principles of Broadcasting, Audio/Video Production Essentials, or Mass Media.
Assessment or participation expectations: Application Required: Click Here. Participation after school in the Avon Action club and working live streams is required.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

The *Sports Broadcasting* course may be used to provide students with the opportunity to apply the technical knowledge and skills learned in a Concentrator course (Radio/TV) through additional real world learning experiences such as lab activities, project-based learning or a work-based learning experience. Students must be co-enrolled in a Concentrator A and/or B course in order to be enrolled in the Technical Skills Development course. Avon TV students will have the opportunity to extend their broadcasting skills through live athletic broadcast streams through the IHSAA website. Students will learn a new software called Production Truck, learn new live-streaming equipment, get experience in the press box next to professionals, cover real-time games, learn play-by-play, game prep, and more!

COMPUTER ILLUSTRATIONS: ARTS, AV TECH, AND COMMUNICATION SPECIAL TOPIC (4576F-4576S)
DOE Course code: 4576, Arts, AV Tech and Communication: Special Topic
Diploma / graduation requirement: Core 40, AHS, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Art/Communications/Media Courses Recommended
Assessment or participation expectations: Application Required: Click Here.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Arts, AV Tech and Communication: Special Topics is an extended learning experience designed to address the advancement and specialization of careers within the career cluster through the provision of a specialized course for a specific workforce need in the school's region. This animation class is designed to give the student the opportunity to learn and practice technical skills to pursue a college and career in the field. Throughout the course, students will focus on learning about employment opportunities and obtaining the knowledge, skills, and attitudes essential for success in specific animation careers. Course standards and curriculum will be tailored to the specific profession, preparing students to advance in this career field, and where applicable, provide students with opportunities for certification. Participation encourages the development of leadership, communication, and career related skills, such as learning professional software and project creation techniques.

BUSINESS COURSES

Preparing for College and Careers (Who am I? Where am I Going? How Do I Get There?)
All freshmen take this course for a graduation requirement

TECH/IT COURSE OFFERINGS
Digital Applications and Responsibility (1 semester, 9-12)
Computing Foundations for a Digital Age (1 semester, 9-12)
AP Computer Science Principles (2 semesters, 10-12)
AP Computer Science (2 semesters, 11-12)
Career Exp Intern: Tech Support A/B (1 or 2 Semesters)*

GENERAL BUSINESS OFFERINGS
Principles of Business Management (2 semesters, 9-12)
Accounting Fundamentals (2 semesters, 10-12)
Marketing Fundamentals (2 semesters, 10-12)
Marketing Fundamentals: Ozone (2 semesters, 10-12)
Principles of Business Operations & Technology: Ozone (2 semesters, 11-12)
Strategic Marketing (2 semesters, 11-12)
Business Law: Management Fundamentals (2 semesters, 10-12)
Personal Financial Responsibility (1 semester, 10-12)
UIND Educ 100 Expl Ed/Principles of Teaching (Dual Credit/Non-Cadet Teaching: 2 semesters, 10-12)
Principles of Teaching (Cadet Teaching: 2 semesters, 12 *Application Required)
Child and Adolescent Development (Cadet Teaching: 2 semesters, 12 *Application Required)
Teaching and Learning (Cadet Teaching: 2 semesters, 12 *Application Required)

CAPSTONE COURSES
Work Based Learning (Internship, 1-2 semesters, 12)*

*Courses can be repeated for credit

Department Chair: Mr. Christopher Hill

BUSINESS EDUCATION COURSE DESCRIPTIONS

Career Pathways/Program of Study – Classes of 2028, 2029, 2030, and 2031				
Pathway/Program of Study	**Example careers**	**Principles Course**	**Concentrator Course A**	**Concentrator Course B**
Education Careers	Teacher	Principles of Teaching+	Child and Adolescent Development (Cadet Teaching)	Teaching and Learning (Cadet Teaching)
Business Administration	Business Manager	Principles of Business Management+	Marketing Fundamentals	Accounting Fundamentals OR Strategic Marketing
Business Administration	Business Manager	Principles of Business Management+	Management Fundamentals: Business Law	Accounting Fundamentals
Marketing and Sales	Sales Manager	Principles of Business Management	Marketing Fundamentals	Strategic Marketing

+Also part of the Civic Arts Local Pathways

PRINCIPLES OF BUSINESS MANAGEMENT (4562F-4562S)

Business Administration Pathway Course 1 of 3
Marketing and Sales Pathway Course 1 of 3
Civic Arts Local Pathway Course 2 of 3

DOE Course code:4562
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma
Credit value and course length: Two semesters—2 credits
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: 25 Hour WBL Experience

Principles of Business Management introduces students to the world of business, marketing and entrepreneurship including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and international scale. The course further develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.

ACCOUNTING FUNDAMENTALS (4524F-4524S)

Business Administration Pathway Course 3 of 3

DOE Course code: 4524
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Principles of Business Management
Assessment or participation expectations:

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

MARKETING FUNDAMENTALS (5914F-5914S)

Business Administration Pathway Course 2 of 3
Marketing and Sales Pathway Course 2 of 3

DOE Course code: 5914
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma

Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Principles of Business Management
Assessment or participation expectations:

- May take as an elective if not completing Marketing & Sales Career Pathway
- May take if completing Marketing & Sales Career Pathway AND concurrently taking Principles of Business Management

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

MARKETING FUNDAMENTALS: OZONE (5914FO-5914SO)

Marketing and Sales Pathway Course 2 of 3

DOE Course code: 5914
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Principles of Business Management (may be taken concurrently)
Assessment or participation expectations: DECA Member or teacher recommendation

This course will be taught during 3rd period. Students in this course will run the Ozone store during period 3 lunch days only (A Days). In subsequent years, students may enroll in the 4th period Administrative and Office Management Ozone/Strategic Marketing Course.

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.

PRINCIPLES OF BUSINESS OPERATIONS AND TECHNOLOGY: OZONE (7153F-7153S)
DOE Course code: 7153
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Prior DECA experience and permission from a DECA advisor
Assessment or participation expectations: Students will work in the Ozone during lunch

Principles of Business Ops & Technology 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; estimate 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.

New Course! PRINCIPLES OF BUSINESS MANAGEMENT: OZONE (4562OF/4562OS)
Doe Course Code: 4562
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 10, 11
Prerequisites or placement requirements: Preparing for College and Careers
Assessment or participation expectations: WBL Hours toward Indiana Diploma Honors Seals

Principles of Business Management: Ozone introduces students to the world of business, marketing and entrepreneurship including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and international scale. The course further develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.

STRATEGIC MARKETING (5918F-5918S)

Business Administration Pathway Course 3 of 3
Marketing and Sales Pathway Course 3 of 3

DOE Course code: 5918
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Princ of Business Management; Marketing Fundamentals or concurrently enrolled in Marketing Fundamentals
Assessment or participation expectations:

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

MANAGEMENT FUNDAMENTALS: BUSINESS LAW (7143F-7143S)
DOE Course code: 7143
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Principles of Business Management, if for a pathway; otherwise, none.
Assessment or participation expectations:

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. Students will complete mock trials as a part of this course.

PRINCIPLES OF TEACHING (7161F-7161S) CADET TEACHING
PRINCIPLES OF TEACHING/UIND EDUC 100 EXPL ED (7161FD-7161SD) DUAL CREDIT – NON-CADET TEACHING

Education Careers Pathway Course 1 of 3
Civic Arts Local Pathway Course 2 of 3

DOE Course code: 7161
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations:
Application Required: Click Here.

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

UIND EDUC 100 EXPL ED/Principles of Teaching is a dual credit course for students in grades 10 and 11, or as a stand-alone course in grade 12 *without student teaching*.

Principles of Teaching taken as part of a cadet teaching, work-based learning program in grade 12 earns high school credit only.

CHILD AND ADOLESCENT DEVELOPMENT (7157F-7157S) CADET TEACHING

Education Careers Pathway Course 2 of 3

DOE Course code: 7157
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 12
Prerequisites or placement requirements: Principles of Teaching
Assessment or participation expectations: An observation experience up to 20 hours may be required for completion of this course.

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. 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 for dual credit to be awarded.

TEACHING AND LEARNING (7162F-7162S) CADET TEACHING

Education Careers Pathway Course 3 of 3

DOE Course code: 7162
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 12
Prerequisites or placement requirements: Principles of Teaching; Child and Adolescent Dev
Assessment or participation expectations: 25 Hour WBL Experience

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.

PREPARING FOR COLLEGE AND CAREERS (5394)

DOE Course code: 5394
Diploma / graduation requirement: Core 40, Indiana Diploma THIS COURSE IS REQUIRED FOR GRADUATION
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9
Prerequisites or placement requirements: None
Assessment or participation expectations: 25 Hour WBL Experience

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

COMPUTING FOUNDATIONS FOR A DIGITAL AGE (4565)

DOE Course code: 4565
Diploma / graduation requirement: Core 40, Indiana Diploma Required Computer Science course, elective

Credit value and course length: 1 semester – 1 credit
Eligible grade level(s): 10
Prerequisites or placement requirements: None
Assessment or participation expectations: If not taken in Middle School this will be taken online during 10th period Sophomore year.

Computers and the internet have revolutionized the way we access and disseminate information. As technology continues to change at an ever-increasing pace, the need for students to gain a foundational understanding of computer science is clear. *Computing Foundations for a Digital Age* is designed to introduce students to five major topics within computer science including computing systems, networks and the internet, data and analysis, algorithms and planning, and impacts of computing. The course introduces foundational computing concepts while exploring current events and building critical thinking, collaboration, problem solving, and other important skills that are invaluable for life in a global and technologically advancing society.

AP COMPUTER SCIENCE PRINCIPLES (0255-0256)
DOE Course code: 4568
Diploma / graduation requirement: Core 40, Indiana Diploma Computer Science course, elective
Credit value and course length: 2 semesters—1 credit per semester 2 semesters required
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Successful completion of Algebra I
Assessment expectations: ***The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.***

The *AP Computer Science Principles* 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 and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.

AP COMPUTER SCIENCE (0235-0236)
DOE Course code: 4570
Diploma / graduation requirement: Core 40, AHD, THD Elective,
Indiana Diploma Computer Science course, elective
Credit value and course length: 2 semesters—1 credit per semester, 2 semesters required
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Algebra II
Assessment expectations: ***The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.***

Computer Science, Advanced Placement is a business course that provides students with the content established by the College Board. Topics include object-oriented program design, program implementation, program analysis, standard data structures, standard algorithms, and computing in context. Computer Science AP uses the JAVA language.

DIGITAL APPLICATIONS AND RESPONSIBILITY I (0247)
DOE Course code: 4528
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None

Gaming requires you to use the digital world. Learning computer software will put you in the lead of the digital world. Get the skills you need to accelerate your future to include word processing, spreadsheet, and database software. Learn how to give effective presentations with technology and to communicate digitally with the world. Students will build skills to learn skills.

CAREER EXPLORATION INTERNSHIP: TECHNOLOGY SUPPORT 0250A-0250B)
DOE Course code: 0530
Diploma / graduation requirement: Core 40, elective, Indiana Diploma, WBL hours toward Honors Seals
Credit value and course length: One semester – 1 credit can be repeated
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: None, Students must have a Study Hall during the semester they do the internship.
Assessment or participation expectations: Students will work with the AHS Information Technology Department during a study hall as well as have SRT with the coordinator of the Internship.

The *Career Exploration Internship* course consists of a paid or unpaid work experience in the public or private sector that provides for workplace learning in an area of student career interests. Unlike the work-based Learning capstone course in which students gain expertise in a specific occupation, 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.

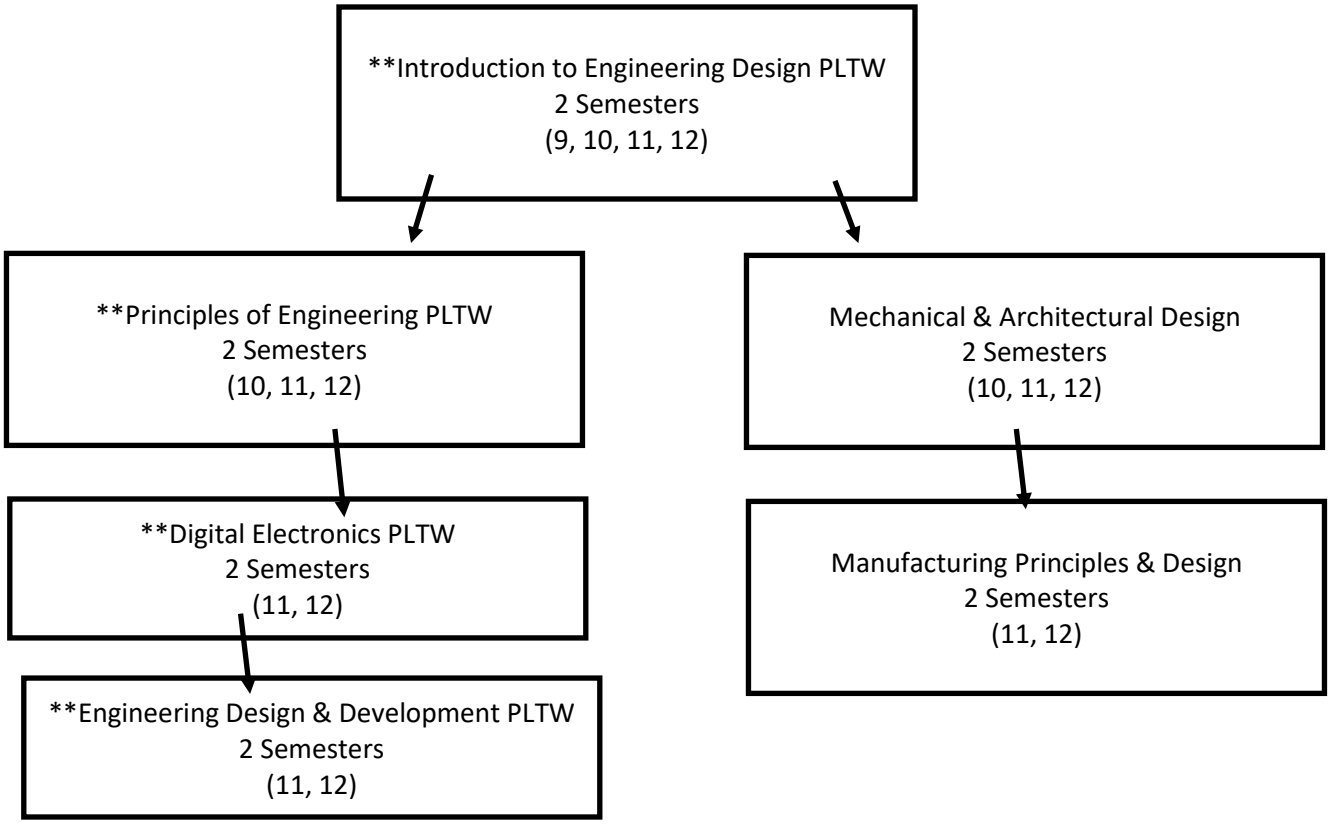
WORK BASED LEARNING (5974F-5974S)
DOE Course code: 5974
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma, WBL hours toward Honors Seals
Credit value and course length: One semester—3 credits May be taken both semesters.
Eligible grade level(s): 12
Prerequisites or placement requirements: Approved application which includes an interview with the program supervisor. Students must acquire an internship position approved by the teacher if accepted to the program.
Assessment or participation expectations: **Students must provide own transportation* Hours Required 180 per semester.
Application Required: Click Here.

Work-Based Learning is a culminating course in a student's logical sequence of courses for a chosen career pathway. Students have the opportunity to apply concepts and skills in real world business and industry settings.

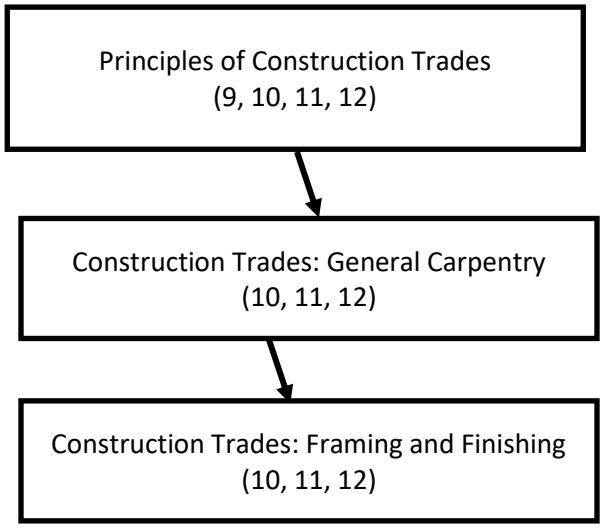
WORK BASED LEARNING 2 Hour (5975F-5975S)
DOE Course code: 5974
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma, WBL hours toward Honors Seals
Credit value and course length: One semester—2 credits May be taken both semesters.
Eligible grade level(s): 12
Prerequisites or placement requirements: Approved application which includes an interview with the program supervisor. Students must acquire an internship position approved by the teacher if accepted to the program.
Assessment or participation expectations: **Students must provide own transportation* Hours Required 120 per semester
This course is an *option* for students who do not have room in their schedule for the 3-hour class.
Application Required: Click Here.

Work-Based Learning is a culminating course in a student's logical sequence of courses for a chosen career pathway. Students have the opportunity to apply concepts and skills in real world business and industry settings.

ENGINEERING COURSES



**Dual Credit Course



ENGINEERING AND TECHNOLOGY EDUCATION COURSE OFFERINGS

Computers in Design and Production 1 Semester (9, 10, 11, 12)	Robotics Design and Innovation 2 Semesters (10, 11, 12)	Introduction to Design Processes (9, 10, 11, 12)	Career Exploration Internship: Tech Support (10, 11, 12)

ENGINEERING & TECHNOLOGY EDUCATION COURSE DESCRIPTIONS

Career Pathways/Program of Study – Classes of 2028, 2029, 2030, and 2031				
Pathway/Program of Study	**Example careers**	**Principles Course**	**Concentrator Course A**	**Concentrator Course B**
Engineering	Engineer	Introduction to Engineering Design	Principles of Engineering	Digital Electronics
Engineering Design Technology	Engineer	Introduction to Engineering Design	Mechanical & Architectural Design	Manufacturing Principles & Design
Construction Trades Carpentry	Construction Worker	Principles of Construction Trades	Construction Trades: General Carpentry	Construction Trades: Framing and Finishing

IVY DESIGN 102/IVY DESIGN 111 PLTW INTRODUCTION TO ENGINEERING DESIGN (4802FD-4802SD)

Engineering Pathway Course 1 of 3

Design Technology Pathway Course 1 of 3

DOE Course code: 4802
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area or an AHD elective, Indiana Diploma
Credit value and course length: Two Semesters—1 high school credit per semester/6 Ivy Tech credits for the year-long course at no cost
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Interest in Engineering and Algebra I (may be taken concurrently with Algebra I)
Assessment or participation expectations: Autodesk Inventor Certification opportunity with a qualifying score on end-of-year exam**.**
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Introduction to Engineering Design is the first of a series of courses for the program **Project Lead the Way**. It is a college preparation course as part of a pre-engineering program. Students are also expected to complete a college preparatory sequence of courses in mathematics. Introduction to Engineering Design is an introductory course which develops student problem solving skills with emphasis placed on the development of three-dimensional solid models. Students will work from sketching simple geometric shapes to applying a solid modeling computer software package, Autodesk Inventor. Students will utilize state of the art machinery to bring to their designs to life, including operating a 3-D printer and laser cutter/engraver. Students who complete this course, and pass the corresponding exam, will receive Inventor Certification.

IVY DESIGN 104 PLTW PRINCIPLES OF ENGINEERING (5644FD-5644SD)

Engineering Pathway Course 2 of 3

DOE Course code: 5644
Diploma / graduation requirement: Core 40 elective as part of a technical career area or an AHD elective, Indiana Diploma STEM focused course, elective
Credit value and course length: Two Semesters—1 high school credit per semester/3 Ivy Tech credits for the year-long course
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: (PLTW) Introduction to Engineering Design and Algebra II (or currently enrolled in Algebra II), or Teacher Recommendation
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Principles of Engineering is the second class of a series of courses for the program **Project Lead the Way**. It is a college preparation course as part of a pre-engineering program. Students are also expected to complete a college preparatory sequence of courses in mathematics. This course is included as a component of the Engineering, Science, and technologies career cluster and may also be included as a component of other related career clusters. Principles of Engineering is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem solving skills that are involved in postsecondary education programs and engineering careers. They will also learn how engineers address concerns about the social and political consequences of technological change.

IVY DIGITAL LOGIC 130 PLTW DIGITAL ELECTRONICS (5538FD-5538SD)

Engineering Pathway Course 3 of 3

DOE Course code: 5538
Diploma / graduation requirement: Core 40 elective as part of a technical career area or an AHD elective, Indiana Diploma STEM focus course, elective
Credit value and course length: Two Semesters—1 high school credit per semester/4 Ivy Tech credits for the year-long course
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: (PLTW) Introduction to Engineering Design and (PLTW) Principles of Engineering. **May take as an elective with no prerequisites if not completing Engineering Pathway.
Assessment or participation expectations: The expectation is for students who choose the DUAL CREDIT option of this course to complete BOTH semesters to be eligible to earn the 4 credits at no cost.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Digital Electronics is an advanced level elective within PROJECT LEAD THE WAY. It is a college preparation course as part of a pre-engineering program. This course introduces students to applied digital logic, a key element of careers in engineering and engineering technology. Students design circuits to solve problems, export their designs to a printed circuit auto-routing program that generates printed circuit boards, and use appropriate components to build their designs. This course covers several topics including Analog and digital fundamentals; Number systems and binary addition; Logic gates and functions; Boolean algebra and circuit.

New Course! ENGINEERING DESIGN AND DEVELOPMENT (5698F-5698S)

Engineering Pathway Capstone Course

DOE Course code: 5698
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma, STEM Focused
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Introduction to Engineering Design, Principles of Engineering, Digital Electronics. (Digital Electronics can be taken concurrently.)
Assessment or participation expectations:
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Engineering Design and Development (EDD) is an advanced level elective within PROJECT LEAD THE WAY. It is a college preparation course as part of a pre-engineering program.it is an engineering research course in which students work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide the team to reach a solution to the problem. Students will partner with industry professionals to guide the projects and provide mentorship. As a capstone course in the Engineering Pathway, EDD engages students in critical thinking, problem-solving, time management, and teamwork skills.

MECHANICAL AND ARCHITECTURAL DESIGN (7196F-7196S)

Design Technology Pathway Course 2 of 3

DOE Course code: 7196
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Introduction to Engineering Design (IED)
Assessment or participation expectations:
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Mechanical and Architectural Design provides students with a basic understanding of creating working drawings related to manufacturing detailing and assembly as well as a survey of Architectural design focused on the creative design of buildings. Topics include fastening devices, thread symbols and nomenclature, surface texture symbols, classes of fits, and the use of parts lists, title

blocks and revision blocks. From an Architecture perspective, this course covers problems of site analysis, facilities programming, space planning, conceptual design, proper use of materials, and selection of structure and construction techniques.

MANUFACTURING PRINCIPLES AND DESIGN (7202F-7202S)

Design Technology Pathway Course 3 of 3

DOE Course code: 7202
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Introduction to Engineering Design; Mechanical and Architectural Design Fundamentals
Assessment or participation expectations:
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Manufacturing Principles and Design will challenge students will use 2D and 3D CAD skills to explore topics related to manufacturing principles and design. Students will gain an understanding of solid modeling and parametric solid modeling and use 3D printers to create industry part prints. Additionally, students will compare manufacturing practices like Lean Manufacturing, design and program CNC processes, and use metrology tools and practices to evaluate an object.

PRINCIPLES OF CONSTRUCTION TRADES (7130F-7130S)

Building Trades Pathway Course 1 of 3

DOE Course code: 7130
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22
Principles of Construction Trades prepares students with the basic skills needed to continue in a construction trade field. Topics will include an introduction to the types and uses for common hand and power tools, learn the types and basic terminology associated with construction drawings, and basic safety. Additionally, students will study the roles of individuals and companies within the construction industry and reinforce mathematical and communication skills necessary to be successful in the construction field.

CONSTRUCTION TRADES: GENERAL CARPENTRY 7123F-7123S

Building Trades Pathway Course 2 of 3

DOE Course code: 7123
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Principles of Construction Trades
Assessment or participation expectations: Should be taken concurrently with Framing and Finishing
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

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

CONSTRUCTION TRADES: FRAMING AND FINISHING (7122F-7122S)

Building Trades Pathway Course 3 of 3

DOE Course code: 7122
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma
Credit value and course length: Credits: 2 semester course, 2 semesters required
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Principles of Construction Trades
Assessment or participation expectations: Should be taken concurrently with General Carpentry

Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

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

INTRODUCTION TO DESIGN PROCESSES (1613)
DOE Course code: 4794
Diploma / graduation requirement: Core 40, Elective, Indiana Diploma
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

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

ROBOTICS DESIGN AND INNOVATION (4728F-4728S)
DOE Course code: 4728
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma, STEM Focused
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: Eligible to take SACA, C-102 Certified Industry 4.0 Associate after this class.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

The *Robotics Design and Innovation* course is designed to introduce students to technology that is revolutionizing modern manufacturing and logistics 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.

COMPUTERS IN DESIGN AND PRODUCTION (1633)
DOE Course code: 4800
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area, Indiana Diploma
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Computers in Design and Production is a specialized course that explores technological processes and employs creative problem solving in developing, engineering, testing, and communicating designs for products, structures, and systems. Classroom activities help students to understand the steps used to move an idea from a designer's mind into a specified artifact, process, or system. Students will participate in design activities and labs using critical thinking skills that require them to identify problems; generate alternative solutions; select and refine the most plausible solution; develop specifications for the solution; model and test the solution; and present the final solution for approval. Various design software programs will be used to develop ideas and create

products using 3D modeling, 3D printing, and laser engraving/cutting. Various other tools and machines will be used to complete a series of research and production labs.

ENGLISH COURSES

This chart is a suggested course of study. All final decisions should be made with the student's school counselor.

	HONORS/AP	**CORE 40**	**Available Electives at each grade level**
NINTH GRADE	ENGLISH 9 HONORS	ENGLISH 9	JOURNALISM SPEECH (must be enrolled in English 9 H)
TENTH GRADE	ENGLISH 10 HONORS AP SEMINAR: ENGLISH	ENGLISH 10	JOURNALISM ETYMOLOGY SPEECH DEBATE PUBLICATIONS: YEARBOOK/NEWSPAPER
ELEVENTH GRADE	AP LANGUAGE	ENGLISH 11	JOURNALISM ETYMOLOGY CREATIVE WRITING DRAMATIC LITERATURE FILM LITERATURE SPEECH DEBATE VU SPEECH COMMUNICATIONS PUBLICATIONS: YEARBOOK/NEWSPAPER
TWELFTH GRADE	*CHOOSE ONE*: AP LITERATURE IVY ENGLISH 111 and IVY LITERATURE 206	*CHOOSE ONE:* TECHNICAL COMMUNICATION **and** GENRES in LITERATURE: MEMOIR **or** INDY INK: TALES of LIES, LOSS and LOVE in the HOOSIER STATE IVY ENGLISH 111 and IVY LITERATURE 206	JOURNALISM ETYMOLOGY CREATIVE WRITING DRAMATIC LITERATURE FILM LITERATURE SPEECH DEBATE VU SPEECH COMMUNICATIONS PUBLICATIONS: YEARBOOK/NEWSPAPER

Department Chair: Mrs. Heather Meunier

ENGLISH COURSE DESCRIPTIONS

ENGLISH 9 (1703–1704)
DOE Course code: 1002
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Required Course English 9
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9
Prerequisites or placement requirements: None

English 9 offers an integrated study of literature, composition, and oral communications. Students write for various audiences and purposes while strengthening skills in paragraph and multi-paragraph writing. Writing assignments encompass multiple types of writing including expository essays, persuasive essays, literary analysis, and technical writing assignments. The formal study of grammar, usage, spelling, and language mechanics is integrated into this study of writing. Structured vocabulary assignments provide opportunities for students to increase their fluency in both reading and writing. Students will practice their oral skills by delivering presentations and being critical participants and listeners. Student reading selections will include short stories, novels, plays, poems, and nonfiction. In addition to selections in their textbook, representative longer works include *Romeo and Juliet, Flawed,* and *The Odyssey.*

ENGLISH 9 HONORS (1705T-1706T)
DOE Course code: 1002
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Required Course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9
Prerequisites or placement requirements: Qualifying scores on various school administered assessment tests or Teacher Recommendation.

The *English 9 Honors* course is for students who have been identified by the selection process used by the Avon School Corporation for identifying gifted and talented students and/or for those who have demonstrated exceptional ability and interest in the study of English. A key part of the selection process includes recent NWEA and ILEARN scores as well as evidence of achievement in previous English classes. While the minimum standards and works covered remain the same for *English 9* and *Honors English 9*, there are differences in depth, speed, and methodology between the sections. These differences are also reflected in the class structure, amount of independent work required, assignments, and texts used. Students who enroll in the Honors Sections of English should be aware that they are preparing to take Advanced Placement English in their junior year.

This course offers an integrated study of literature, composition, and oral communications. Students write for various audiences and purposes while strengthening skills in paragraph and multi-paragraph writing. Writing assignments encompass multiple types of writing including expository essays, persuasive essays, literary analysis, and technical writing assignments. The formal study of grammar, usage, spelling, and language mechanics is integrated into this study of writing. Structured vocabulary assignments provide opportunities for students to increase their fluency in both reading and writing. Students will practice their oral skills by delivering presentations and being critical participants and listeners. Students read short stories, novels, plays, poems, and nonfiction. In addition to various reading texts, representative longer works include *Romeo and Juliet, Flawed,* and *The Odyssey*.

ENGLISH 10 (1715–1716)
DOE Course code: 1004
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10
Prerequisites or placement requirements: Satisfactory completion of Eng. 9

English 10 continues to make full use of many of the activities and skills of English 9 by offering an integrated study of literature, composition, and oral communications. Literature instruction focuses on opportunities to respond critically, reflectively, and imaginatively to literature and recognize the relevance of literature in today's world. Students write for various audiences and purposes. Students identify and employ various elements of effective writing in well-organized and grammatically correct descriptive, expository, argumentative, and narrative writings. The formal study of grammar and language mechanics is integrated

into this study of writing. Frequent vocabulary practice allows the students to increase their fluency in both reading and writing. Students will also work with technology to create digital presentations.

Students will read short stories, novels, plays, poems, and nonfiction. Students will read longer works such as *Fahrenheit 451, 12 Angry Men,* and *To Kill a Mockingbird*. Additionally, students will prepare for standardized tests like the SAT in their upper-level high school classes.

ENGLISH 10 HONORS (1717–1718)
DOE Course code: 1004
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10
Prerequisites or placement requirements: Successful completion of English 9 Honors (C- or above) or special permission (Teacher Recommendation)
Assessment or participation expectations: Students who are receiving a C- or below at the semester may be required to drop down a level.

While the minimum standards covered remain the same for *English 10* and *English 10 Honors*, there are differences in depth, speed, and methodology between the sections. These differences are also reflected in the class structure, amount of independent work required, assignments, and texts used. Students who enroll in the Honors Sections of English should be aware that they are preparing to take Advanced Placement English in their junior year.

English 10 Honors continues to make full use of many of the activities and skills of English 9 Honors by offering an integrated study of literature, composition, and oral communications. Literature instruction focuses on opportunities to respond critically, reflectively, and imaginatively to literature and recognize the relevance of literature in today's world. Students write for various audiences and purposes. Students identify and employ various elements of good writing in well-organized and grammatically correct descriptive, expository, and argumentative writings. The formal study of grammar, usage, spelling, and language mechanics is integrated into this study of writing. Structured vocabulary assignments allow students to increase their fluency in both reading and writing. The oral communication component provides opportunities for students to develop a greater facility by choosing and employing different elements of effective oral communications. Students will read short stories, novels, plays, poems, and nonfiction. In addition to selections provided by their instructors, representative longer works include *Animal Farm, Born a Crime, Lord of the Flies, To Kill a Mockingbird,* and *Julius Caesar.*

New Course! ADVANCED PLACEMENT SEMINAR: ENGLISH (1104F/1104S)
DOE Course code: 1104
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas, Communication Focused Course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10
Prerequisites or placement requirements: Successful completion of English 9 Honors. ***MUST*** have English teacher recommendation
Assessment or participation expectations: Students taking this course will be expected to take the end of course AP Exam.

AP Seminar: English is designed as a seminar-style English course focusing on foundational writing, collaboration, research, and presentation skills. Through an inquiry-based approach, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. The course integrates with local English standards, allowing for flexibility in instruction. Students learn to synthesize information from multiple sources, express their own perspectives through written essays, and deliver oral and visual presentations individually or as part of a team. Assessment in the course includes two through-course performance tasks and an end-of-course exam, with the final AP score being calculated on a 1-5 scale. A student may take this course for English credit or course 0552 for elective credit, but they may not take both. The same AP exam is used with this course and course 0552.

ENGLISH 11 (1727–1728)
DOE Course code: 1006
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas, Indiana Diploma additional English credit
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 11
Prerequisites or placement requirements: Successful completion of four credits of grade-specific English either Honors or General level

English 11 continues an integrated study of literature, composition, and oral communications where the students can further develop their use of language as a tool for learning and thinking and as a source of pleasure. In *English 11*, students move from predominately analyzing and using the elements of written language to making judgments based on those analyses. All students use a grammatically correct style to produce a variety of writing forms including persuasive writing, synthesis and analysis of information from a variety of sources, completing complex forms, describing procedures, giving directions, and using graphic forms to support a thesis. Structured vocabulary assignments allow students to increase their fluency in both reading and writing. The formal study of grammar, usage, spelling, and language mechanics will be integrated into the study of writing. The oral communication component will continue to emphasize effective listening and speaking techniques. Students use the MLA style manual for all writing. The emphasis of the course is on American literature, both contemporary and classic, and students will read short stories, novels, plays, poems, and nonfiction from American authors from various periods. In addition to various short selections, representative longer works include *Into the Wild, The Crucible,* and *Of Mice and Men*. Students will prepare for the spring SAT throughout the year.

TECHNICAL COMMUNICATION (1096)
DOE Course code: 1096 TECHNICAL COMMUNICATIONS
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas, Communication Focused Course, PBL Course
Credit value and course length: One semester – 1 Credit
Eligible grade level(s): 12
Prerequisites or placement requirements: 6 semesters of previous grade level English Eng 9/9H, Eng 10/10H, Eng 11/AP Lang

Technical Communication, a course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the processes and conventions needed for effective technical writing-communication. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. The course can be offered in conjunction with a literature course, or schools should embed Indiana Academic Standards for English/Language Arts reading standards within the curriculum.

INDY INK: TALES OF LIES, LOSS AND LOVE IN THE HOOSIER STATE (1038)
DOE Course code: 1038 Indiana Literature
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas, Indiana Diploma additional English credit, elective
Credit value and course length: One semester – 1 Credit
Eligible grade level(s): 12
Prerequisites or placement requirements: 6 semesters of previous grade level English Eng 9/9H, Eng 10/10H, Eng 11/AP Lang or teacher recommendation.

1038 (IND LIT) is a course based on the Indiana Academic Standards for English/Language Arts. It is a study of works produced by those who were born in, raised, or lived most of their lives in Indiana and works about Indiana or its famous persons. Students will examine works from various time periods and topics and works that reflect unique aspects of Indiana culture with a focus on contemporary authors. Students will analyze and evaluate contributions of Indiana literature to specific genres and to the body of American literature and/or media in the past and present to make relevant connections to their own lives as they move into adulthood.

GENRES OF LITERATURE: MEMOIR (1036)

DOE Course code: 1036 Genres of Literature
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas, Indiana Diploma additional English credit, elective
Credit value and course length: One semester – 1 Credit
Eligible grade level(s): 12
Prerequisites or placement requirements: 6 semesters of previous grade level English Eng 9/9H, Eng 10/10H, Eng 11/AP Lang or teacher recommendation.

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

GENRES OF LITERATURE: MEMOIR BLENDED LEARNING (1036B)

DOE Course code: 1036 Genres of Literature
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas, Indiana Diploma additional English credit, elective
Credit value and course length: One semester – 1 Credit
Eligible grade level(s): 12
Prerequisites or placement requirements: Cumulative GPA of **2.75** or higher, unweighted. 6 semesters of previous grade level English Eng 9/9H, Eng 10/10H, Eng 11/AP Lang or teacher recommendation.

Blended Learning Genres of Literature: Memoir is a unique classroom experience, utilizing a traditional classroom and virtual learning environment that focuses on student independent discovery and learning. Students will spend time in the classroom with the teacher on required attendance days. On non-required attendance days, students will be responsible for course materials using the learning management system outside of the classroom. Students will be exempt from coming to school during that period on non-required days. Students participating in the blended learning course are expected to maintain a 75%, falling below a 75% will result in class exemption being revoked. Students in the blended learning class must possess a reliable laptop due to the online nature of the course.

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

AP ENGLISH LANGUAGE AND COMPOSITION (1742-1743)

DOE Course code: 1056
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas, Indiana Diploma additional English credit, Indiana College Core Eligible
Credit value and course length: Two semesters—1 credit per semester, 2 semesters required
Eligible grade level(s): 11
Prerequisites or placement requirements: English 10 Honors and some tangible proof of exceptional English skills. This might include previous verbal GT identification; outstanding PSAT scores, recommendation of previous English teacher. Students with PSAT Evidence Based Reading and Writing Scores below 430 should consider English 11 as an alternative. Students who have successfully completed English 9 Honors and/or English 10 Honors should register for this course their junior year.
Assessment or participation expectations: ***The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*** *Students who score high enough on the examination will be able to receive college credit for this work.

AP Language will take the place of the integrated English 11 course in the junior year. AP is a college-level course; therefore, the pace of the course is more intensive than other junior level courses. The assignments provide preparation for the mastery of skills required to pass the AP Composition and Language exam in May. This course is based on the Course Exam Description established by the College Board. Students enrolled in this course become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. They become skilled writers in analysis and argument. Writing assignments will include frequent, timed, in-class essays. Much of the reading for the class is in the form of nonfiction essays and speeches.

AP ENGLISH LITERATURE AND COMPOSITION (1740-1741)

DOE Course code: 1058
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas, Indiana Diploma additional English credit, Indiana College Core Eligible
Credit value and course length: Two semesters—1 credit per semester, 2 semesters required
Eligible grade level(s): 12
Prerequisites or placement requirements: Students who have successfully completed English 9 Honors and English 10 Honors and the AP English Language and Composition course (see above) during the junior year are recommended to take this class. Students with PSAT Evidence Based Reading and Writing Scores 450, Or SAT Evidence Based Reading and Writing Scores below 500 should consider IVY English or Technical Communication.
Assessment or participation expectations: ***The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*** *Students who score high enough on the examination will be able to receive college credit for this work.

AP is a college-level course; therefore, the pace of the course is more intensive than other senior level courses. The assignments provide preparation for the mastery of skills required to pass the AP English Literature and Composition exam given in May. *Advanced Placement Literature and Composition* follows the College Board Entrance Examination guidelines for Advanced Placement English. According to the College Board, students will "engage in careful reading of literary works. Through such study they will sharpen their awareness of language and their understanding of the writer's craft. They will also develop critical standards for the independent appreciation of any literary work and increase their sensitivity to literature as a shared experience. To achieve these goals, they study the individual work, its language, characters, action, and themes. They consider its structure, meaning, and value, and its relationship to contemporary experience as well as to the context in which it was written. Works of recognized literary merit are likely to be taught in an introductory college literature course and will be used as primary texts." Writing assignments that focus on the critical analysis of literature will be frequent, including timed, in-class essays. Students are expected to participate fully during class discussions and make presentations using technological resources for both researching and producing their papers. Most of the reading in this class will be British and American fiction, poetry, short stories, and plays. Representative longer works include *Wuthering Heights, The Poisonwood Bible, and Hamlet*.

ENGLISH COMPOSITION ENGL111—IVY TECH DUAL CREDIT (6727T)

DOE Course code: 1124, Advanced English/Language Arts, College Credit
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma additional English credit, Communication Focused Course, Indiana College Core Eligible
Credit value and course length: One semester—1 high school credit/3 Ivy Tech College credits
Eligible grade level(s): 12
Prerequisites or placement requirements: Juniors or Seniors with an unweighted GPA of 2.6 or higher qualify for enrollment. Students not meeting these criteria must pass a placement exam (see Below)
Assessment or participation expectations: Students should also enroll in ENGL206 for a full year of English. Students must earn a C or better in the course to receive college credit.

Dual Credit prerequisites:
PROGRAM READY WRITING:
Knowledge Assessment (KA): Read/Write 70;
SAT 2016 and forward: Evidence-Based Read/Write 460;
PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

PROGRAM READY READING:
Knowledge Assessment (KA): Read/Write 70;
SAT 2016 and forward: Evidence-Based Read/Write 460;
PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

English 111 is a college level course in writing designed to help students develop their ability to think, to organize, and to express their ideas clearly and effectively. Emphasis is placed on various forms of expository writing such as process, description, narration, comparison, analysis, persuasion, and argumentation. Numerous in-class writing assignments are required in addition to extended essays written outside of class. Qualified students could earn three hours of transferable college credit in English by registering at the start of the course. Students considering this course should be performing well in either English 11 or AP Lang/Comp and have a strong ability to meet deadlines.

INTRODUCTION TO LITERATURE ENGL206—IVY TECH DUAL CREDIT (6728T)
DOE Course code: 1124, Advanced English/Language Arts, College Credit
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma additional English credit, Indiana College Core Eligible
Credit value and course length: One semester—1 high school credit/3 Ivy Tech College credits
Eligible grade level(s): 12
Prerequisites or placement requirements: English 111, English Composition with a C or better.
Assessment or participation expectations: Students should also enroll in ENGL111 for a full year of English. Students must earn a C or better in the course to receive college credit.

An introduction to literature and three major genres: fiction, poetry, and drama. Emphasis is placed on the ability to read critically and gain an appreciation for literature. Qualified students could earn three hours of transferable college credit in English by registering at the start of the course.

LANGUAGE ARTS LAB (1701T/1702T)
DOE Course code: 1010
Diploma / graduation requirement: Core 40, Indiana Diploma, This course does not fulfill the English credit requirement for graduation
Credit value and course length: One semester—1 credit, May be repeated
Eligible grade level(s): 9
Prerequisites or placement requirements: Teacher or Counselor recommendation
Assessment or participation expectations: Great for students who will truly take ***advantage*** of the extra support

Language Arts Lab is a supplemental course that provides students with individualized or small group instruction designed to support success in completing course work aligned with the Indiana Academic Standards for English/Language Arts focusing on the reading standards. All students should be concurrently enrolled in an English course in which class work will address all the Indiana Academic Standards.

ETYMOLOGY (1789)
DOE Course code: 1060
Diploma / graduation requirement: Core 40, AHD Course, this course does not fulfill the English credit requirement for graduation, Indiana diploma additional English credit
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Minimum of 2 English credits successfully completed *(Grade 10 is the ideal time for this course in order to prepare for the PSAT)*
Note: All college bound students are encouraged to take this class, for it is designed to help students improve verbal skills on the PSAT, SAT, and ACT exams.

Etymology provides instruction in the derivation of English words and word families from their Latin and Greek roots. Students study the origins and meanings of English words, including roots, prefixes, suffixes, and reasons for language change. This course introduces students to tools and resources for etymological study and encourages them to be curious about the English language.

CREATIVE WRITING (1770)
DOE Course code: 1092
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diplomas, Indiana Diploma additional English credit, elective
Credit value and course length: One semester—1 credit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Four credits of grade-specific English completed
Assessment or participation expectations:

Creative Writing provides students with opportunities to combine literary creativity with the discipline of written expression and revision. Students become familiar with standard literary elements through the reading and study of archetypal prose and poetry from the 20th-Century to the present day. Additionally, students learn strategies for evaluating and responding to their own writing and the writing of others in a peer-sharing workshop format. The workshop model stresses participation and offers students the opportunity to receive specific training in providing constructive, substantial feedback while role-playing as likely readers of each creative work.

DRAMATIC LITERATURE (1720)
DOE Course code: 1028
Diploma / graduation requirement: This course does not fulfill the English credit requirement for graduation for core 40, AHD, THD, Indiana Diploma additional English credit, elective
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 11,12
Prerequisites or placement requirements: None

Dramatic Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of plays and literary art as different from other literary genres. Students view live, televised, or filmed productions and stage scenes from plays or scripts. Students examine tragedies, comedies, melodramas, musicals, or operas created by important playwrights and screenwriters representing the literary movements in dramatic literature. Students analyze how live performance alters interpretation from text and how developments in acting and production have altered the way we interpret plays or scripts. Students analyze the relationship between the development of dramatic literature as entertainment and as a reflection of or influence on the culture.

FILM LITERATURE (1719)
DOE Course code: 1034
Diploma / graduation requirement: This course does not fulfill the English credit requirement for graduation for core 40, AHD, THD, Indiana Diploma additional English credit, elective
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: None

Film Literature will study how literature is adapted for film or media. This semester long course allows students to study and read about the history of film, the influence film has had on our American culture, and the complexities behind a film adaptation and interpretation of literature. The Department of Education asks that this course allows students to explore how "films portray the human condition and the roles of men and women and the various ethnic or cultural minorities in the past and present." Lastly, this course would hold the equitable amount of rigor in regard to analytical writing. Students will be asked to analyze text (in this case, film) in order to develop a claim that can be argued and defended in writing. Students will be required to provide textual evidence (via the film) to support their thesis.

SPEECH (1784)
DOE Course code: 1076
Diploma / graduation requirement: Core 40, AHD Course, Elective, Indiana Diploma, Communications Focused Course
Credit value and course length:
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None, however Grade 9 students must be concurrently enrolled in English 9 Honors.
Assessment or participation expectations: Students will give speeches and presentations in this course.

Public Speaking is a valuable life skill for any student, specifically those students who are interested in careers where they will be presenting material or conveying ideas. Most colleges and universities require public speaking for all students, thus taking speech in high school class is good preparation for college. In this course, students will gain confidence over time as they have many opportunities to practice their public speaking skills. Students outline and give a wide range of speeches including informative, impromptu, and persuasive. The course emphasizes research using technology, careful organization and preparation, awareness of audience, and non-verbal communication. The course closes with a study of the art of conversation which will help students in interviews and social situations.

DEBATE (1782)

DOE Course code: 1070
Diploma / graduation requirement: Core 40, AHD Course, Elective, Indiana Diploma, Communications Focused Course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Speech
In *Debate*, students gain an understanding of argumentation and persuasion theories and develop skills in logic and analysis. Students also research topics using a variety of literary and technical genre, organize research, write persuasive cases, and practice public speaking. Skills are developed in rhetorical analysis, application of varying forms of logic, and formal debate.

VU 143 COMMUNICATIONS – SPEECH - DUAL CREDIT (1777)

DOE Course code: 1124, Advanced English/Language Arts, College Credit
Diploma / graduation requirement: Core 40, AHD Course, Elective, Indiana Diploma additional English credit, Communication Focused Course, Indiana College Core Eligible
Credit value and course length: One semester—1 credit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: **Prerequisite for Dual Credit Speech: Grade of C or higher in previous English courses and have an unweighted GPA of 2.70 or above. If a student doesn't have the GPA they must meet the qualifying placement scores: Students not meeting these criteria must pass a placement exam (see Below)
Meet one of the following:

- PSAT/SAT Reading score of at least 21 **or** an PSAT EBRW combined score of 510
- PSAT English, Writing, Sentence Skills score of at least a 21 or a PSAT EBRW combined score of 510.
- SAT Reading score of 21 or SAT EBRW combined score of 510.
- SAT English, Writing, Sentence Skills score of 22 or SAT EBRW combined score of 510.

Assessment or participation expectations: $75 dollar Vincennes University Tuition payable to VU at the beginning of the semester.

JOURNALISM (1785)

DOE Course code: 1080
Diploma / graduation requirement: Indiana Diploma, Communication Focused Course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None, the course is strongly recommended for students who wish to enroll in any student publications class in their later high school study.

Journalism is the study of reporting and the journalistic profession. This course includes the process involved in 1) news gathering; 2) reporting and writing news stories; 3) the legal and social responsibilities involved in newspaper publications; and 4) the ethics of accurate and fair reporting. This course includes extensive reading of models of excellent journalistic techniques and evaluating and analyzing journalistic writing through discussions and critiques. The course will acquaint the student with the basics of producing a high school newspaper and yearbooks. It will concentrate on the print media including copy writing and editing, layout design, production processes, and the media's effect upon society and the individual.

STUDENT PUBLICATIONS: NEWSPAPER (1797-1798)

DOE Course code: 1086
Diploma / graduation requirement: Indiana Diploma, Communication Focused Course
Credit value and course length: One or two semesters—1 or 2 credits. May be repeated with defined standards
Eligible grade level(s): Grades: 10, 11, 12

Prerequisites or placement requirements: Journalism, application, instructor permission is required if the prerequisites have not been met.
Assessment or participation expectations: **Application Required: Click here;**

Newspaper provides practical training in publishing the school newspaper. Newspaper provides the study of and practice in gathering and analyzing information, interviewing, and note-taking for the purpose of 1) writing; 2) editing; 3) publishing for print; and 4) broadcast media, including student publications. All sections include instruction and practice in effective journalistic writing forms and techniques as well as layout, design, and typography. Representative samples of amateur and professional journalism are studied, and student publications will conform to the appropriate style guide. The concept of responsible journalism is also discussed. A journalism lab and other desktop publishing technologies are used to support the curriculum. Since the sections are all co-curricular, after-school work and fundraising are required.

STUDENT PUBLICATIONS: YEARBOOK (1794-1795)
DOE Course code: 1086
Diploma / graduation requirement: Indiana Diploma, Communication Focused Course
Credit value and course length: One or two semesters—1 or 2 credits, may be repeated with defined standards
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Journalism, Photography (if applicable), application, instructor permission is required if the prerequisites have not been met.
Assessment or participation expectations: **Application Required: Click Here. Teacher Recommendation Required: Click Here.**

Yearbook includes two sections which provide practical training in publishing the school yearbook. Both sections provide the study of and practice in gathering and analyzing information, interviewing, and note-taking for the purpose of 1) writing; 2) editing; 3) publishing for print; and 4) broadcast media, including student publications. All sections include instruction and practice in effective journalistic writing forms and techniques as well as layout, design, and typography. Students will photograph the events and lifestyle of the school community to tell stories through both imagery and writing. Representative samples of amateur and professional journalism are studied, and student publications will conform to the appropriate style guide. The concept of responsible journalism is also discussed. A journalism lab, DSLR Cameras, and other desktop publishing technologies are used to support the curriculum. All sections plan, publish, market, and distribute the school yearbook. Since the sections are all co-curricular, after schoolwork and fundraising are required.

FAMILY AND CONSUMER SCIENCES COURSES

This chart is a suggested course of study. All final decisions should be made with the student's school counselor.
Choose for the following courses per grade level:

Grade 9
Principles of Human Services*
Interpersonal Relationships
Fundamentals of Human Services*
Nutrition and Wellness
Advanced Nutrition and Foods I *
Child Development
Principles of Interior Design

Grade 10
Principles of Human Services*
Fundamentals of Human Services*
Interpersonal Relationships
Nutrition and Wellness
Advanced Nutrition and Foods I *
Advanced Nutrition and Foods II *
Child Development
Principles of Early Childhood Education*
Early Childhood Education Curriculum*
Early Childhood Education Guidance *
Principles of Interior Design
Interior Design Fundamentals*

Grade 11
Principles of Human Services*
Fundamentals of Human Services*
Advanced Social and Community Services*
Interpersonal Relationships
Adult Roles and Responsibilities^
Nutrition and Wellness
Advanced Nutrition and Foods I *
Advanced Nutrition and Foods II *
Child Development
Principles of Early Childhood Education*
Early Childhood Education Curriculum*
Early Childhood Education Guidance *
Principles of Interior Design
Interior Design Fundamentals*
Materials, finishes, and Design *

Grade 12
Advanced Social and Community Services*
Interpersonal Relationships
Adult Roles and Responsibilities
Nutrition and Wellness
Advanced Nutrition and Foods I *
Advanced Nutrition and Foods II *
Child Development
Principles of Early Childhood Education*
Early Childhood Education Curriculum*
Early Childhood Education Guidance *
Early Childhood Education Capstone *
Principles of Interior Design
Interior Design Fundamentals*
Materials, finishes, and Design *

Department Chair: Ms. Jamie Gleissner

STUDENT ORGANIZATION: FCCLA

FAMILY AND CONSUMER SCIENCES COURSE DESCRIPTIONS

Career Pathways/Program of Study – Classes of 2028, 2029, 2030, and 2031				
Pathway/Program of Study	**Example careers**	**Principles Course**	**Concentrator Course A**	**Concentrator Course B**
Interior Design	Interior Designer	Principles of Interior Design	Interior Design Fundamentals	Materials Finishes and Design
Early Childhood Education	Preschool Teacher/Coordinator	Principles of Early Childhood Education	Early Childhood Education Curriculum	Early Childhood Education Guidance
Social and Community Services	Social Worker/ Health Care Worker/ Counselor	Principles of Human Services	Fundamentals of Human Services	Advanced Social & Community Service

PRINCIPLES OF HUMAN SERVICES (7176F-7176S)

Human and Social Services Pathway Course 1 of 3

Social and Community Services Pathway Course 1 of 3

DOE Course code: 7176
Diploma / graduation requirement: Core 40, AHD, THD Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 9, 10, 11
Prerequisites or placement requirements: None

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

FUNDAMENTALS of HUMAN SERVICES (7276F-7276S)

Social and Community Services Pathway Course 2 of 3

DOE Course code: 7276
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 9, 10, 11
Prerequisites or placement requirements: Principles of Human Services
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Fundamentals of Human Services examines key elements of effective delivery of human services. Topics of discussion include personal values, helping relationships, the impact of diversity, theories of helping, communication, problem-solving processes, crisis situations, abuse, and professional ethics. This course also provides training for identifying characteristics of a crisis and basic crisis intervention skills.

New Course! ADVANCED SOCIAL AND COMMUNITY SERVICES (7278F-7278S)

Social and Community Services Pathway Course 3 of 3

DOE Course code: 7278
Diploma / graduation requirement: Core 40, AHD, THD, Elective, Indiana Diploma
Credit value and course length: 2 semester course, 2 semesters required
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Principles of Human Services A and B
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Advanced Social and Community Services provides students with the opportunity to increase their effectiveness in helping people. Students will examine the helping process in terms of skill, helping stages, and issues involved in a helping relationship. Additionally, background knowledge of the field of intellectual and developmental disabilities and issues pertaining to the field will be provided.

INTERPERSONAL RELATIONSHIPS (0501)
DOE Course code: 5364
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area, Indiana Diploma, Communication Focused Course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None

Interpersonal Relationships address the knowledge, skills, and behaviors all students need to participate in positive, caring, and respectful relationships in the family, at school, and in the workplace. Topics include components of healthy relationships, functions and expectations of various relationships; ethics in relationships; factors that impact relationships (e.g., power, conflicting interests, peer pressure,); establishing and maintaining relationships; building self-esteem and self-image; communications styles; techniques for effective communication, leadership and teamwork; individual and group goal setting and decision making; preventing and managing stress and conflict; addressing violence and abuse.

ADULT ROLES AND RESPONSIBILITIES (0580)
DOE Course code: 5330
Diploma / graduation requirement: Core 40 directed elective as a part of a technical career area, Indiana Diploma
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Adult Roles and Responsibilities addresses the identification and management of personal resources and family finances to meet the needs and wants of individuals and families throughout the family life cycle. These courses build knowledge, skills, and behaviors that students will need as they prepare to take the next steps toward adulthood today. The course includes the study of interpersonal standards, lifespan roles and responsibilities, and financial responsibility and resources. A project-based approach is used to learn about analysis of personal standards, needs, aptitudes and goals; personal decision making; personal finance topics such as making money, banking, saving and investing, managing credit, managing risks and insurance; financial planning for daily needs now and for the future; consumer choices, rights, and responsibilities, and decision making related to meeting goals for nutrition and wellness, clothing, housing, and transportation.

NUTRITION AND WELLNESS (0521)
DOE Course code: 5342
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Hospitality and Human Services, Indiana Diploma
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Nutrition and Wellness is an introductory course valuable for all students as a foundation of life 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 the basics of food preparation so they can become self-sufficient in accessing healthy and nutritious foods. This course offers hands-on laboratory experience. This lab experience will allow students the opportunity to assist in the preparation of recipes that contain food from all areas of My Plate, such as, but not limited to, eggs, meat, dairy, grains, fruits, and vegetables. Major course topics include nutrition principles and applications; influences on nutrition and wellness; food preparation and sanitation; etiquette; science, technology, and careers in nutrition and wellness. This class is the first in a tier of 4 classes. It is a prerequisite for Advance Nutrition and Wellness 1 and 2.

ADVANCED NUTRITION AND FOODS I (0522)

DOE Course code: 5340
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Hospitality and Human Services, Indiana Diploma
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9**,** 10, 11, 12
Prerequisites or placement requirements: Nutrition and Wellness
Assessment or participation expectations: Laboratory experiences are required.

Advanced Nutrition and Foods I is a course which provides a study of nutrition and offers hands-on laboratory experiences. This is a sequential course that addresses more complex concepts in nutrition and foods, with emphasis on contemporary, economic, social, and psychological issues. In this course, emphasis is given to topics related to nutrition and wellness for individuals and families across the life span; technology on nutrition, foods and related tools and equipment; management of food-related resources; acquiring, organizing, and evaluating information about foods and nutrition; and exploration of careers in all aspects of the food industry. Laboratory experiences, which emphasize advanced applications are required. Laboratory experiences focusing on, but not limited to, the following units: A review of safety, sanitation, and measurements, guide to healthful eating, fruits and vitamins, vegetables, minerals, and knife skills, proteins, eggs, meat, fish, poultry, carbs, grains and pasta, dairy, special dietary needs, and meal planning.

ADVANCED NUTRITION AND FOODS II (0523)

DOE Course code: 5340
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Hospitality and Human Services, Indiana Diploma
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Advanced Nutrition and Foods I
Assessment or participation expectations: Laboratory experiences are required.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Advanced Nutrition and Foods II is a course for students interested in careers in culinary, hospitality, the medical field, athletic training, and dietetics. This course builds on the foundation established in *Nutrition and Foods.* Topics include baking and pastry, cookies, cake, candy, pies, diversity at the table, the food supply, international foods, food science and technology, health challenges, and shopping for food. Leadership and management processes are integrated in classroom and laboratory activities.

PRINCIPLES OF INTERIOR DESIGN (7132F-7132S)

Interior Design Pathway Course 1 of 3

DOE Course code: 7132
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Interior Design, Indiana Diploma
Credit value and course length: Two semesters – 2 credits
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Principals of Interior Design is a course that helps students learn the basics of designing spaces and using elements and principals effectively. Students will explore how design theories work, how colors influence mood and style, and how these concepts apply to real-world spaces. The course will also cover how design affects people's experiences and interactions in space.

INTERIOR DESIGN FUNDAMENTALS (7127F-7127S)

Interior Design Pathway Course 2 of 3

DOE Course code: 7127
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Interior Design, Indiana Diploma
Credit value and course length: Two semesters – 2 credits
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Principles of Interior Design

Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Interior Design Fundamentals introduces students to the basics of interior design and construction. Students will learn how to plan spaces, choose and arrange furniture, and pick materials and finishes. The course covers important topics like building practices, how homes are constructed, how to read blueprints, sustainable design, and create various drawings and plans for construction and presentation.

New Course! MATERIALS, FINISHES, AND DESIGN (7128F-7128S)

Interior Design Pathway Course 3 of 3

DOE Course code: 7127
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Interior Design, Indiana Diploma
Credit value and course length: Two semesters – 2 credits
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Principals of Interior Design, Interior Design Fundamentals
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Materials, Finishes, and Design examines the physical properties and characteristics of furniture, materials, finishes, and architectural detailing. The course includes an intensive study of textiles, including fiber sources, identification and classification to finish and sustainable qualities. Students will apply textile knowledge to interior textile fabrications including window treatments, upholstery, carpet and wall coverings. Content addresses environmental issues and problems in specifying, estimating, and installing these materials.

CHILD DEVELOPMENT (0541)
DOE Course code: 5362
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Education and Training, Indiana Diploma
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: Students will have experience with a baby simulator.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Child Development is an introductory course for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers that draw on knowledge of children, child development, and nurturing of children. This course addresses issues of child development from conception/prenatal up to age 3. It includes the study of prenatal development and birth; growth and development of children; childcare and nurturing; and support systems for parents and caregivers. A project-based approach that utilizes higher order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended to integrate these topics into the study of child development. Applications such as introductory laboratory with young children and/or service learning, building knowledge of children are part of the Child Development course. The baby simulator provides experience dealing with infant care. This course provides the foundation for continuing education in all career areas related to children.

IVY TECH 100 & 101/PRINCIPLES OF EARLY CHILDHOOD EDUCATION (7160F 7160S)

Early Childhood Pathway Course 1 of 3

DOE Course code: 7160
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Education and Training, AHD Course, Indiana Diploma
Credit value and course length: Two semesters – 2 credits
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: (Recommended): Child Development
Assessment or participation expectations: Students may be required to complete observations and field experiences with children as part of this course.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Dual Credit prerequisites for IVY ECED 100 INTRO TO EARLY CHILDHOOD EDUCATION AND 101 HEALTH, SAFETY, AND NUTRITION
2.6 cumulative GPA
PROGRAM READY READING and WRITING:
SAT: Ev-Based Read/Writing 460; PSAT/NMSQT: Ev-Based Read/Write 430
English Knowledge Assessment 1+ (only requirement is that KA must be completed)

Principles of Early Childhood Education provides students with an overview of skills and strategies necessary to successfully complete a certificate. Additionally, it provides an overview of the history, theory, and foundations of early childhood education as well as exposure to types of programs, curricula and services available to young children. This course also examines basic principles of child development, Developmentally Appropriate Practices (DAP), importance of family, licensing, and elements of quality care of young children with an emphasis on the learning environment related to health, safety, and nutrition.

IVY TECH ECED 103 & 104 EARLY CHILDHOOD EDUCATION CURRICULUM (7158F 7158S)

Early Childhood Pathway Course 2 of 3

DOE Course code: 7158
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Education and Training, AHD Course, Indiana Diploma
Credit value and course length: Two semesters – 2 credits
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Pass Principles of ECE 7160 with a 75% or better; Must be taken **con-currently with Early Childhood Education Guidance 7159**
Assessment or participation expectations: 32 hours of field experience will happen during this Course.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Dual Credit prerequisites for IVY ECED 103 CURRICULUM IN EARLY CHILDHOOD CLASSROOM AND ECED 104 SUPPORTIVE INTERACTIONS AND BEHAVIOR GUIDANCE
Successful completion of ECED 100 and 101 with a C or better
2.6 cumulative GPA

Early Childhood Education Curriculum examines developmentally appropriate environments and activities in various childcare settings while exploring the varying developmental levels and cultural backgrounds of children. This course helps prepare students for Child Development Associate (CDA) Credential Process by building a CDA teaching portfolio based on course work and experience. Students may be required to complete observations and field experiences with children as related to this course. Student must provide own transportation to and from school placements for course field experiences. Students will also be required to complete First/Aid certification, fingerprinting and criminal background check, and any other required occupational certifications on their own to complete field experiences required by location off campus.

IVY TECH 120 & 130 EARLY CHILDHOOD EDUCATION GUIDANCE 7159F 7159S

Early Childhood Pathway Course 3 of 3

DOE Course code: 7159
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Education and Training, AHD Course, Indiana Diploma
Credit value and course length: Two semesters – 2 credits
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Pass Principles of ECE 7160 with a 75% or better; Must be taken con-currently with Early Childhood Education Curriculum 7158
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Dual Credit prerequisites for IVY ECED 120 CHILD GROWTH AND DEVELOPMENT AND ECED 130 DEVELOPMENTALLY APPROPRIATE GUIDANCE IN A CULTURAL CONTEXT
Successful completion of ECED 100, 101 with a C or better
2.6 cumulative GPA

Assessment or participation expectations: Students may be required to complete observations and field experiences with children as related to this course. Students will also be required to complete First/Aid certification, fingerprinting and criminal background check, and any other required occupational certifications on their own to complete field experiences required by location off campus. Students will receive 10 hours of field experience during this course.

Early Childhood Education Guidance allows students to analyze developmentally appropriate guidance, theory and implementation for various early care and education settings. It also provides a basic understanding of the anti-bias/multicultural emphasis in the field of early childhood. This course helps prepare students for Child Development Associate (CDA) Credential Process by building a CDA teaching portfolio based on course work and experience.

New Course! IVY ECED 105/120 EARLY CHILDHOOD EDUCATION CAPSTONE 7259F 7259S

Early Childhood Pathway Capstone Course

DOE Course code: 7259
Diploma / graduation requirement: Core 40 directed elective as part of a technical career area: Education and Training, AHD Course, Indiana Diploma, Enrollment and Employment Honors Seal.
Credit value and course length: Two semesters – 2 credits
Eligible grade level(s): 12
Prerequisites or placement requirements: Verification of **120 hours of required competency-based coursework (or ECED 100, 101, and 103),** and Program Chair Approval. Students must also meet the requirement for *Preschool CDA*- **480 hours of professional work experience in a state approved center-based** early learning setting with children ages 3-5 years, within the last three years.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Assessment or participation expectations: Students must have documented 480 hours working with young children in a state approved child development program or family child care home or recognized home visitor setting and complete minimum of 120 qualifying hours of training (or the completion of ECED 100, 101, and 103), complete the CDA credential application process (including the successful completion of the CDA professional portfolio, current first aid and infant/child (pediatric) CPR nationally recognized certifications, and family questionnaires), schedule the CDA national exam, and schedule the verification visit in order to pass this course.

MATHEMATICS COURSES

This chart is a suggested course of study. All final decisions should be discussed with the student's school counselor.

	ACE Mathematics Program (Accelerated Curriculum and Enrichment)					**Electives Available at each grade level (all have prerequisites)**
	Algebra I in 7th grade Geometry in 8th grade		**Algebra I in 8th grade** with qualifying scores	**Algebra I in 8th grade**	**Pre-Algebra in 8th grade**	
9th	College Algebra II ACE		Geometry ACE	Geometry Honors	Algebra I	
10th	Trigonometry ACE (1 semester) ***and*** AP Calculus AB ACE (2 semesters)	Trigonometry ACE (only in 1 sem-- another math elective such as AP Statistics may be taken)	College Algebra 2 ACE	Algebra 2 Honors	Geometry	
11th	AP Calculus BC ACE	AP Calculus AB ACE	Trigonometry ACE (1 Semester) ***And*** Ap Calculus Ab ACE (2 Semesters)	Precalculus/Trig Honors: Ivy Math 136/137	Algebra 2	-Finite Math: Ivy Math 135 -Probability & Statistics -AP Statistics
12th	Multivariable Calculus	AP Calculus BC ACE	AP Calculus BC ACE	AP Calculus AB Or AP Statistics	College Alg/Trig: IVY MATH 136/137	-Finite Math: IVY MATH 135 -Prob/Stats -AP Statistics -Modern Math -PRIME Math

Department Chair: Ms. Andrea Austin

MATHEMATICS COURSE DESCRIPTIONS

All students enrolled in any math course at Avon High School are expected to have a scientific calculator. (Business or statistical calculators are not recommended). In addition to the standard scientific functions, the calculator should have the capability to handle fractions, nth root, permutations (nPr button), and combinations (nCr button). Any model equivalent to the calculators in the Texas Instrument TI-30X series will suffice.

A passing grade in the first semester of all math courses (except Finite Math) is required to continue into the second semester of the course.

ALGEBRA I LAB (0711-0712)
DOE Course code: 2516
Diploma / graduation requirement: Elective credit for all diplomas.
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9
Prerequisites or placement requirements: Students are placed based upon past math performance and standardized test scores. Each semester of Algebra I Lab is designed as a support course for that semester of Algebra I. As such, a student taking Algebra I Lab must also be enrolled in Algebra I during the same semester for which it supports.

Assessment or participation expectations: Algebra I Lab is designed as a support course for Algebra I. As such, a student taking Algebra I Lab must also be enrolled in Algebra I during the same academic

Algebra I Lab is a mathematics support course designed to prepare students to be successful in Algebra I. The materials in this class are paired to match the content being taught in the algebra classroom. These topics include working with expressions, analyzing and solving linear equations and inequalities, data analysis, probability, statistics, polynomial, and quadratics. The course will provide review and re-teaching of the Algebra I standards and provide any needed remediation of foundational middle grade standards.

ALGEBRA I (0733-0734)
DOE Course code: 2520
Diploma / graduation requirement: Fulfills the Algebra I requirement for all diplomas, Indiana Diploma graduation requirement Algebra I
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: Successful completion of Semester one required to continue to Semester 2.

Algebra I is designed to emphasize the study of multiple representations of linear and non-linear functions. It includes mathematical concepts for working with rational numbers, various expressions, analyzing and solving linear equations & inequalities, data analysis, probability, statistics, polynomials, and quadratics. Students will use hands-on materials and calculators when needed in solving problems where the algebra concepts are applied.

GEOMETRY (0745-0746)
DOE Course code: 2532
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma, Enrollment Seal
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11
Prerequisites or placement requirements: Algebra I

Geometry provides 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, circles, and spatial drawings. An understanding of proof and logic is developed.

GEOMETRY HONORS (0741-0742)
DOE Course code: 2532
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma additional Math credit, Enrollment Seal
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11
Prerequisites or placement requirements: Algebra 1 Honors with at least a B- both semesters or Algebra 1 with at least an A- both semesters strongly recommended
Geometry Honors provides 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, circles, and spatial drawings. An understanding of proof and logic is developed. An emphasis will be placed on the theory as well as the practice of geometry.

ALGEBRA II (0735-0736)
DOE Course code: 2522
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma additional Math credit, Enrollment Seal
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Algebra I
Assessment or participation expectations: Successful completion of Semester one required to continue to Semester 2.

Algebra II is a course that expands the topics of Algebra I and provides further development of the concept of a function. The expanded topics of the course include: the theorems and algorithms of algebra, polynomials and polynomial functions, rational exponents, sequences, series, probability, statistics and exponential functions, and logarithmic functions.

ALGEBRA II HONORS (0723-0724)
DOE Course code: 2522
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma additional Math credit, Enrollment Seal
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Algebra I Honors with at least a B- both semesters or Algebra I with at least an A- both semesters strongly recommended. Successful completion of Semester 1 required to continue to Semester 2.
Assessment or participation expectations: Successful completion of Semester one required to continue to Semester 2.

Algebra II Honors is a course that expands on the topics of Algebra I and provides further development of the concept of a function. The expanded topics of the course include: the theorems and algorithms of algebra, polynomials and polynomial functions, rational exponents, sequences, series, probability, statistics, exponential functions, and logarithmic functions. An emphasis will be placed on the theory as well as the practice of algebra.

PRIME MATHEMATICS (2595F 2595S)
DOE Course code: 2595
Diploma / graduation requirement: Indiana Diploma additional Math Credit
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 12
Prerequisites or placement requirements: The ideal student for this course is a senior who has passed Algebra 1, Geometry, Algebra 2, and earned between 400 and 500 on the math portion of the SAT.
Assessment or participation expectations: Successful completion of Semester one required to continue to Semester 2.

The *PRIME Math* course utilizes a curriculum developed by the Southern Regional Education Board (SREB), that includes and reinforces the Algebra I, Geometry, Algebra II, and Statistics skills necessary for postsecondary success. This course emphasizes understanding of math concepts rather than just memorizing procedures. *PRIME Math* emphasizes students' reasoning and sense making about procedures (e.g., why to use a certain formula or method to solve a problem). This equips them with higher-order thinking skills to apply math skills, functions, and concepts in different situations. *PRIME* is designed for students who have currently

achieved the minimum math requirement for their diploma but may still require additional assistance as they prepare for their next steps after high school.

FINITE MATHEMATICS – IVY Math 135 (0798T if taking for dual credit OR 0798N if not taking for dual credit)

DOE Course code: 2544

Diploma / graduation requirement: Core 40, AHD, Indiana Diploma additional Math credit, Enrollment Seal, Indiana College Core Eligible

Credit value and course length: One semester—1 credit, Potential College Credit – 3 credits

Eligible grade level(s): 11, 12

Prerequisites or placement requirements:

- MATH: KASTEM 70
- ACCUPLACER NEXT GEN AAF 250
- ACCUPLACER Standard: Elementary Algebra 74
- IDOE/ ITCC ACCUPLACER Diagnostic: Elementary Algebra 92
- SAT 2016: Math 550
- Digital PSAT: Math 540 (GPA does NOT apply for this MATH requirement.)

Assessment or participation expectations: This one semester course is offered for dual credit through Ivy Tech Community College and counts as 3 credit hours. Students must apply at the beginning of the course for credit.

Finite Mathematics is a collection of mathematical topics frequently used in business or public policy contexts. It is a course designed for students who will undertake higher-level mathematics in college that may not include calculus. Topics include counting techniques and probability, matrices, recursion, graph theory, social choice, linear programming, probability, optimization, and game theory.

ADV MATH: MODERN MATHEMATICS (2543)

DOE Course code: 2543 Advanced Mathematics, Special Topics (ADV MATH ST)

Diploma / graduation requirement: Core 40, AHD, Indiana Diploma additional Math credit, Enrollment Seal

Credit value and course length: 1 semester – 1 Credit option that can pair with either Dual Credit Finite or 0730 Prob/Stats

Eligible grade level(s): 12

Prerequisites or placement requirements: Successful completion of both Algebra 2 (regular, honors, or ACE) AND Geometry (regular, honors, or ACE) with a C or higher

Advanced Mathematics, Special Topics is the course title that is to be used for reporting by schools that offer a mathematics course beyond the scope of approved courses. *Modern Mathematics* will investigate branches of mathematics of the last two centuries including Social Choice Mathematics (mathematics of elections, weighted voting, fair division, and apportionment), Graph Theory (Euler & Hamilton circuits, trees & networks, scheduling digraphs), and Symbolic Logic. Students will apply a variety of algorithms to investigate patterns and solve problems that are outside the scope of most traditional math courses. Prior to taking Modern Mathematics, students should have successfully completed some level of Algebra 2 and Geometry and have an interest in logical reasoning and solving puzzles.

IVY MATH 136 COLLEGE ALGEBRA/IVY MATH 137 TRIGONOMETRY (6783T-6784T)

DOE Course code: 2544, Advanced Mathematics, College Credit

Diploma / graduation requirement: Core 40, AHD, Indiana Diploma additional Math credit, Enrollment Seal, Indiana College Core Eligible

Credit value and course length: Two semesters—1 credit per semester, 2 semesters required

Eligible grade level(s): 11, 12

Prerequisites or placement requirements: Geometry or Geometry Honors and Algebra II (B- or better strongly recommended) or Algebra II Honors (C or better strongly recommended)

Dual Credit Prerequisites: This course must be taken for dual credit (MATH 136/MATH 137) and counts as 3 credit hours/semester. Taking for dual credit requires a SAT math section score of 560 or higher or a PSAT Math score of 540 or higher. In order to take for dual credit, a C- first semester is required in order to take the second semester. If student does not meet testing requirements, students must take the Knowledge assessment KASTEM 70, KACALC 70.

Assessment or participation expectations: These are two- 1 semester courses offered for dual credit through Ivy Tech Community College and counts as 6 credit hours. Students must apply at the beginning of each course for credit.

A passing grade in the first semester is required for taking the second semester.

The *College Algebra Pre-Calculus and Trigonometry* courses will blend the concepts and skills that must be mastered prior for a college level calculus course. Topics include trigonometry, translations of axes, polar coordinates, conic sections, vectors, exponential functions and logarithmic functions.

HONORS PRE-CALCULUS (IVY MATH 136)/HONORS TRIGONOMETRY (IVY MATH 137) (0781T/0782T)
DOE Course code: 2544, Advanced Mathematics, College Credit
Diploma / graduation requirement: Core 40, AHD, Indiana Diploma additional Math credit, Enrollment Seal, Indiana College Core Eligible
Credit value and course length: Two semesters—1 credit per semester, must enroll in both semesters
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Geometry or Geometry Honors and Algebra II Honors (B- or better strongly recommended)
Dual Credit Prerequisites: This course must be taken for dual credit (MATH 136/MATH 137) and counts as 3 credit hours/semester. Taking for dual credit requires a SAT math section score of 560 or higher or a PSAT Math score of 540 or higher. In order to take for dual credit, a C- first semester is required in order to take the second semester. If student does not meet testing requirements, students must take the Knowledge assessment KASTEM 70, KACALC 70.

Assessment or participation expectations: To take for dual credit, a C- first semester is required to take the second semester.

The Pre-Calculus and Trigonometry Honors courses will blend the concepts and skills that must be mastered for a college-level calculus course. Topics include trigonometry, translations of axes, polar coordinates, vectors, exponential and logarithmic functions, and conic sections. An emphasis will be placed on the theory as well as the practice of Pre-Calculus. Pre-Calculus Honors is a course in which students enrolling should be planning to enroll in AP Calculus A/B.

ADVANCED PLACEMENT CALCULUS AB (0757-0758)
DOE Course code: 2562
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma, Enrollment Seal, Indiana College Core Eligible
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 12
Prerequisites or placement requirements: Pre-Calc Honors with at least a C- (a B- is recommended)
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*

Topics in differential and integral calculus appropriate for the Calculus AB Advanced Placement exam are offered in this course. Topics will include limits, continuity, derivatives, definite integrals, and techniques of integration. Every effort is made to keep the curriculum and appropriate technology updated with the current AP course description.

PROBABILITY AND STATISTICS (0730)
DOE Course code: 2546
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma additional Math credit, Enrollment Seal
Credit value and course length: One semester—1 credit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Algebra II (a C or better is strongly recommended)

This course develops appreciation for and skill in applying statistical techniques in the decision-making process. Topics include methods of data collection, organization of data, measures of central tendency and variation, basic laws of probability, sampling theory, and hypothesis testing, and making inferences from a sample.

ADVANCED PLACEMENT STATISTICS (0731-0737)
DOE Course code: 2570
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma additional Math credit, Enrollment Seal
Credit value and course length: Two semesters—1 credit per semester

Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Algebra II Honors (an "A" is recommended) or College Algebra ACE (a "B" or better is strongly recommended)
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*

AP Statistics develops appreciation for and skill in applying statistical techniques in the decision-making process. Topics include methods of data collection, organization of data, measures of central tendency and variation, basic laws of probability, sampling theory, hypothesis testing, and making inferences from a sample. Additional topics will be added to prepare students to take the Advanced Placement exam.

GEOMETRY ACE (0743T-0744T)
DOE Course code: 2532
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma additional Math credit, Enrollment Seal
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9
Prerequisites or placement requirements: Algebra I and acceptance into the ACE program

Geometry ACE provides 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, circles, and spatial drawings. An understanding of proof and logic is developed. The class is designed to provide enrichment and stimulation to the students enrolled.

COLLEGE ALGEBRA II ACE (0738-0739)
DOE Course code: 2522
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma additional Math credit Indiana Diploma, Enrollment Seal
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10
Prerequisites or placement requirements: Algebra I, Geometry ACE or Honors, and acceptance into the ACE program

College Algebra II is a course that expands on the topics of Algebra I and provides the in-depth development of the topics needed to be successful in the study of calculus. The expanded topics of the course include: the theorems and algorithms of algebra, polynomials and polynomial functions, rational exponents, complex numbers, sequences and series, conic sections, permutations and combinations, matrices, and exponential and logarithmic functions. The class is designed to provide enrichment and stimulation to the students enrolled.

TRIGONOMETRY ACE (0740 or 0740S)
DOE Course code: 2566
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma, Enrollment Seal
Credit value and course length: One semester—1 credit
Eligible grade level(s): 10, 11
Prerequisites or placement requirements: College Algebra II ACE
Assessment or participation expectations:

- Any student taking TRIGONOMETRY ACE concurrently with AP Calculus AB ACE take (**0740**).
- Any students not taking TRIGONOMETRY ACE concurrently with AP Calculus AB ACE enroll in (**0740S**)

Trigonometry ACE is a course which will develop all of the trigonometric topics needed to be successful in a college level calculus course. Topics will include trigonometric functions & graphs, parametric equations, polar coordinates, and vectors. The class is designed to provide enrichment and stimulation to the students enrolled.

ADVANCED PLACEMENT CALCULUS AB ACE (0767-0768)
DOE Course code: 2562
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma additional Math credit Indiana Diploma, Enrollment Seal, Indiana College Core Eligible
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10**,** 11
Prerequisites or placement requirements: College Algebra II ACE and Trigonometry ACE (may be taken concurrently with Calculus)
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*

Topics in differential and integral calculus appropriate for the *Calculus AB* Advanced Placement exam are offered in this course. Topics will include limits, continuity, derivatives, definite integrals, and techniques of integration. Every effort is made to keep the curriculum and appropriate technology updated with the current AP course description.

ADVANCED PLACEMENT CALCULUS BC ACE (0763-0764)
DOE Course code: 2572
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma additional Math credit, Enrollment Seal, Indiana College Core Eligible
Credit value and course length: Two semesters —1 credit per semester
Eligible grade level(s): 11**,** 12
Prerequisites or placement requirements: AP Calculus AB (ACE)
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*

Topics will be those specified by the College Board *for AP Calculus Level BC*. AP test-taking skills will be covered.

New Course! MULTIVARIABLE CALCULUS (2543F-2543S)
DOE Course code: 2543
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma additional Math credit, Enrollment Seal, Indiana College Core Eligible
Credit value and course length: Two semesters —1 credit per semester
Eligible grade level(s): 12
Prerequisites or placement requirements: AP Calculus BC (ACE)

Multivariable Calculus extends the concepts of single-variable calculus to functions of multiple variables, providing the mathematical framework necessary for advanced studies in engineering, physics, economics, and data science. This course transitions students from the two-dimensional coordinate plane to three-dimensional space and beyond, focusing on differentiation, integration, and vector analysis.

MULTILINGUAL LEARNER COURSE DESCRIPTIONS

NEWCOMER ACADEMY (1746N-1747N)
DOE Course code: 1012
Diploma / graduation requirement: Indiana Diploma additional English credit
Credit value and course length: Two semesters – 1 credit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Must be a Multilingual Learner Newcomer as identified by WIDA ACCESS 2.0 scores or WIDA Screener scores of 2.5 or below

The *Newcomer Academy* is designed to provide students who have been identified as Newcomer Multilingual Learners the opportunity to develop their English language proficiency through content-based language instruction. Student selection for this program is based on student need, as demonstrated in the WIDA proficiency assessment results. The Newcomer Academy focuses on developing students' academic language – the vocabulary and writing skills necessary to succeed in an English-speaking educational environment. Students will learn English grammar, sentence and paragraph structure, and vocabulary related to academic content in various subject areas. Learning opportunities and activities address each domain of language learning, including listening, reading, speaking, and writing.

ENL ACADEMIC COACHING (0703E-0704E)
DOE Course code: 0500
Diploma / graduation requirement:
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Must be a Multilingual Learner as identified by WIDA ACCESS 2.0 scores or WIDA Screener

This class has a focus on helping students develop academic goals, build growth mindsets, practice time and stress management, enhance organization, reinforce study skills, and complete guided study time to complete tasks that require a small group or one-on one instruction. Students are expected to complete tasks that focus on listening, reading, writing, and speaking in conjunction with WIDA state standards. This course is appropriate for students in the Multilingual Learner program.

ENL MATH LAB (0701E-0702E)
DOE Course code: 2560
Diploma / graduation requirement:
Credit value and course length: Two semesters – 1 credit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Must be a Multilingual Learner as identified by WIDA ACCESS 2.0 scores or WIDA Screener

This class focuses on a joint effort between students and educators to create a common place where students can clarify, correct, and challenge their understanding of math. Students ENL Math Lab are identified as having deficits in their current math skills. This class helps students better understand the basic skills needed to be successful in Algebra, Geometry or Algebra 2. We focus on math vocabulary, addition, subtraction, division, multiplication, key words in word problems, graphing, and solving expressions and equations. This course is appropriate for students in the Multilingual Learner program and requires a teacher recommendation.

UNITED STATES HISTORY (1021S-1022S)
DOE Course code: 1542
Diploma / graduation requirement: Core 40, Indiana Diploma required US History course
Credit value and course length: Two semesters – 1 credit per semester, Two semesters required
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Must be a Multilingual Learner as identified by WIDA ACCESS 2.0 scores or WIDA Screener Scores

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

UNITED STATES GOVERNMENT (1041S)

DOE Course code: 1540
Diploma / graduation requirement: Indiana Diploma US Government course
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 12
Prerequisites or placement requirements: Must be a Multilingual Learner as identified by WIDA ACCESS 2.0 scores or WIDA Screener

This course is an adapted US Government curriculum that meets state standards for credit. This course provides a framework for understanding the purposes, principles, and practices of American Government as established by the United States Constitution. Students are expected to understand their rights and responsibilities in local, state, and national government. This course is appropriate for students in the ML program.

ENL ENG 9 (1703E-1704E) ENL ENG 10 (1715E-1716E), ENL ENG 11 (1727E-1728E) ENL ENG 12 (1731E-1732E)

DOE Course code: 1002, 1004, 1006, 1008
Diploma / graduation requirement: Core 40 Course, Indiana Diploma additional English credit. (These courses may count for up to 4 credits for the English credit requirement for graduation.)
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Students must qualify for ENL support as dictated by the state of Indiana

Sheltered courses are adapted content courses that are for ENL students only. This course integrates the study of literature with instruction in the writing process. Students will explore the ideas and issues of literature while improving their writing, speaking, listening, thinking, and language skills. Materials may include, but are not limited to poetry, prose, fiction, and non-fiction. Students will have access to similar material presented in general English classes, but in a smaller class with a specialized teacher.

ENGLISH AS A NEW LANGUAGE (1746N-1747N), **ENGLISH AS A NEW LANGUAGE 2 (1746-1747), ENGLISH AS A NEW LANGUAGE 3 (1748-1749)**

DOE Course code: 1012
Diploma / graduation requirement: Elective Course/Core 40, Elective/Indiana Diploma (This course does not count for the English credit requirement for graduation.)
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Students must qualify for ENL support as dictated by the state of Indiana.
Must be a Multilingual Learner as identified by WIDA ACCESS 2.0 scores or WIDA Screener

This course is designed specifically for Multilingual Learners who test at a Level 2, 3, or 4 on the WIDA ACCESS 2.0 language proficiency test, or the WIDA Screener. While these students have shown progress in English language acquisition, there are noticeable deficits in their levels of fluency and ability to master the four language domains: listening, speaking, reading, and writing. This class will reinforce those skills to allow students to demonstrate progress in their language acquisition process.

ML ONLINE EDUCATION CENTER (2525)

DOE Course code: Various
Diploma / graduation requirement: Various
Credit value and course length: Varies

Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Students must qualify for ENL support as dictated by the state of Indiana

The Online Education Center offers over 40 core and elective courses that can be earned during the regular school day or after school. Each class has been customized by AHS faculty to ensure its content is as close to the traditional classroom as possible. Placement in the ML OEC must have counselor and/or administrator approval and is generally used as a credit recovery resource.

PERFORMING ARTS COURSES

Instrumental, Vocal, Dance and Theatre Sequencing

Incoming Freshmen - Suggested Course of Study - Choose from the following:

Instrumental Music	Vocal Music	Dance	Percussion	Theatre
Instrumental Music **Orchestra** - Beginning, Intermediate or Advanced (Director Placement)	Beginning Male Choir (Oriole Choir)	Dance Choreography I	Marchers - Semester 1	Theatre Arts
Beginning Concert Music **Band** Beginning, Intermediate or Advanced (Director Placement)	Beginning Treble Choir (Black & Gold Choir)	Dance Choreography II	Advanced Concert Music	
Band Elective*:	Adv Concert Choir (Allegros – Director placement)	Dance Choreography III		
Intermediate Concert Music – Brass	Adv Show Choir (Attraction – Director placement)	Dance Performance Avon Gold Dance Team JV Dance Performance		
Intermediate Concert Music – Woodwinds	Adv Show Choir (Accents – Director placement)	Adv. Dance Technique		

Grades 10, 11, and 12 - Suggested Course of Study - Choose from the following:

Instrumental Music	Vocal Music	Dance	Percussion	Theatre
Instrumental Music **Orchestra** - Beginning, Intermediate or Advanced (Director Placement)	Beginning Male Choir (Oriole Choir)	Dance Choreography I	Marchers - Semester 1	Technical Theatre
Intermediate Concert Music **Band** - Beginning, Intermediate or Advanced (Director Placement)	Intermediate Choir (Symphonic Choir)	Dance Choreography II	Advanced Concert Music	Theatre Arts
Chamber Orchestra Ensemble**	Adv Concert Choir (Allegros – Director placement)	Dance Choreography III	Percussion	Advanced Theatre Arts
Band Elective*:	Adv Concert Choir (Chamber Singers – Director placement)	Dance Performance Avon Gold Dance Team JV Dance Performance	Marchers - Semester 2	Advanced Acting
Intermediate Concert Music – Brass	Adv Show Choir (Attraction – Director placement)	Adv. Dance Technique	Intermediate Concert Music	Theatre Production
Intermediate Concert Music – Woodwinds	Adv Show Choir (Accents – Director placement)		Percussion “A" Drumline	Theatre Arts History
Advanced Concert Music – Brass	Advanced Show Choir (Director Placement)		Advanced Concert Music	Advanced Technical Theatre
Advanced Concert Music – Woodwinds			Percussion "World" Drumline	

****Elective course which requires co-enrollment in Symphony, Philharmonic, or Intermezzo Orchestra**

***Elective courses require co-enrollment in a concert band**

Other Courses	AP Music Theory
	Music Theory and Composition I

Department Chair: Mr. Drew Stainbrook

PERFORMING ARTS COURSE DESCRIPTIONS

Avon High School is pleased to offer a state-approved pathway in Civic Arts. The Civic Arts pathway is earned through successful completion of required coursework **AND** community-based experiences including internships and community service that demonstrate employability skills. An e-portfolio documents the completion of all elements of the Civic Arts pathway. Students interested in the Civic Arts pathway should work closely with their counselor.

Civic Arts Local Pathways – ALL Cohorts: Classes of 2028, 2029, 2030, and 2031				
Civic Arts Pathway	**Example Careers**	**Required Coursework I**	**Required Coursework II**	**Required Coursework III**
Band	Band Teacher/ Band Director	Gold Band **OR** Jazz Band	Principles of Teaching **OR** Principles of Business Management	Concert Band **OR** Symphonic Band
Choir	Choir Teacher/ Choir Director	Black & Gold Choir **OR** Oriole Choir	Principles of Teaching **OR** Principles of Business Management	Symphonic Choir **OR** Chamber Singers **OR** Attraction **OR** Accents **OR** Allegros
Orchestra	Orchestra Teacher/ Orchestra Director	Concert Orchestra **OR** Intermezzo Orchestra	Principles of Teaching **OR** Principles of Business Management	Philharmonic Orchestra **OR** Symphony Orchestra
Theater	Theatre Director/ Producer	Theatre Arts **AND** Technical Theatre	Principles of Teaching **OR** Principles of Business Management	Theatre Production **AND** Advanced Theatre Arts
Dance	Dance Teacher/ Dance Business Owner	Dance Choreography I **AND** Dance Choreography II **AND** Dance Choreography III	Principles of Teaching **OR** Principles of Business Management	Dance Company **OR** Advanced Dance Technique

INSTRUMENTAL MUSIC COURSES

DOE Course code: Various
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: Various
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Middle School Band and Orchestra and Auditions

Students taking these courses are provided with a balanced comprehensive study of instrumental ensemble and solo literature. Time outside of the school day may be scheduled for dress rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities, outside of the school day that support and extend learning in the classroom.

Choose from the following INSTRUMENTALS:

FALL ADVANCED CONCERT BAND A (0809)
Grade: 9, 10, 11, 12
This is the required Band Class for all 9th Grade Brass and Woodwind Players. This band includes all non-marchers first semester of any grade level. **Audition Only**.
Students must register for a full year. (Two Semesters)
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

CONCERT BAND B (0810) SPRING SEMESTER
Grade: 9, 10, 11, 12
This is the required Band Class for all 9th Grade Brass and Woodwind Players. **Audition Only**.
Students must register for a full year. (Two Semesters)
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

INTERMEDIATE INSTRUMENTAL MUSIC – HORNLINE 6 (0801) WIND ENSEMBLE B (0802)
Grade: 9, 10, 11, 12
This is the required yearlong Band Class made up of Brass and Woodwind Players. **Audition Only**.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

INTERMEDIATE INSTRUMENTAL MUSIC – HORNLINE 3 (0877) SYMPHONIC BAND B (0878)
Grade: 9, 10, 11, 12
This is the required yearlong Band Class made up of Brass and Woodwind Players. **Audition Only**.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

ADVANCED INSTRUMENTAL MUSIC – WIND SYMPHONY (0805-0806)
Grade: 9, 10, 11, 12
This is the required yearlong Band Class made up of upper-class Brass and Woodwind Players. **Audition Only. Must be in Marching Band or be exempted by Band Director**.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

FALL INTERMEDIATE CONCERT BAND A (0895)
Grade: 9, 10, 11, 12
This is a recommended Partner Class that may be taken along with the required Band Class for Brass Players. **Audition Only. Must be in band class**.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

GOLD BAND (0896) SPRING SEMESTER
Grade: 9, 10, 11, 12
This is a recommended Partner Class that may be taken along with the required Band Class for Brass Players. **Audition Only. Must be in band class**.

ADVANCED INSTRUMENTAL MUSIC – WOODWINDS (0897-0898)
Grade: 9, 10, 11, 12
This is a recommended Partner Class that may be taken along with the required Band Class for Woodwind Players. Students must be enrolled in band class.

ADVANCED INSTRUMENTAL MUSIC – DRUMLINE A (0874)
This class is for fall Marching Band percussion students. 1st semester. **Audition Only**.

INTERMEDIATE INSTRUMENTAL MUSIC – DRUMLINE B (0872)
2nd semester. **Audition Only**.

ADVANCED INSTRUMENTAL MUSIC – DRUMLINE B (0875)
2nd semester. **Audition Only**.

BEGINNING INSTRUMENTAL MUSIC – CONCERT ORCHESTRA (0881-0882)
Grades: 9, 10, 11, 12
This is a required yearlong Orchestra Class for String Players. **Audition Only**.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

INTERMEDIATE INSTRUMENTAL MUSIC – INTERMEZZO ORCHESTRA (0879-0880)
Grades: 9, 10, 11, 12
This is a required yearlong Orchestra Class for String Players. **Audition Only**.

Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

INTERMEDIATE INSTRUMENTAL MUSIC – PHILHARMONIC ORCHESTRA (0883-0884)
Grades: 9, 10, 11, 12
This is a required yearlong Orchestra Class for String Players. **Audition Only**.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

ADVANCED INSTRUMENTAL MUSIC – SYMPHONY ORCHESTRA (0885-0886)
Grades: 9, 10, 11, 12
This is a required yearlong Orchestra Class for String Players. **Audition Only**.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

CHAMBER ORCHESTRA ENSEMBLE (0899-0900)
Grades: 10, 11, 12
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

The Avon Chamber Orchestra is open to any sophomore, junior, or senior **also enrolled in** Symphony, Philharmonic, or Intermezzo Orchestra. The Avon Chamber Orchestra is a place for anyone who is looking to immerse in a realm of music that typically isn't offered year-round, specifically chamber music that features smaller instrumentation. It also offers a way to make deeper connections with your peers through a more interpersonal style of music. Featured in this course will be our Camerata Orchestra, our premier chamber ensemble that performs at ISSMA Solo and Ensemble and at high-profile community events.

SINFONIA ORCHESTRA (INTERMEDIATE) 0779-0800
Grades: 9, 10, 11, 12
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Students in this ensemble are provided with a balanced comprehensive study of music through the orchestra, string and/or full orchestra, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop and refine elements of 76 Indiana Department of Education High School Course Titles and Descriptions: 2027-2028 musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of orchestral literature, and integration of other applicable disciplines. Experiences include improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

ADVANCED JAZZ BAND (Jazz Ensemble I) (0803-0804)
Grades 9, 10, 11, 12
1 credit per semester, 2 credits total This is a required yearlong Jazz Band Class.
Students must also be enrolled in a concert band class or receive an exemption from the band director.
Pre-Requisite: **Audition Only**
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Students taking this course will have **advanced** musical knowledge and skills and will continue to work to develop **advanced** jazz musicianship and specific performance skills through group and individual settings for the study and performance of varied styles of instrumental jazz.

Instruction includes the study of the history, formative, and stylistic elements of jazz. Students develop their creative skills through improvisation, composition, arranging, performing, listening, and analyzing. A limited amount of time outside of the school day may be scheduled for rehearsals and performances.

All guitar, piano, bass, and drum set players must play an audition for a high school band director before enrolling in this course.

JAZZ BAND (Jazz Ensemble II) (0846-0846B)
Grade: 9,10,11,12
1 credit per semester, 2 credits total
This is a required yearlong Jazz Band Class. Students must also be enrolled in a concert band class or receive an exemption from the band director. **Audition or Director's consent.**

Students taking this course will have **limited to moderate** musical knowledge and skills and will continue to work to develop **intermediate** jazz musicianship and specific performance skills through group and individual settings for the study and performance of varied styles of instrumental jazz.

Instruction includes the study of the history, formative, and stylistic elements of jazz. Students develop their creative skills through improvisation, composition, arranging, performing, listening, and analyzing. A limited amount of time outside of the school day may be scheduled for rehearsals and performances.

All guitar, piano, bass, and drum set players must play an audition for a high school band director before enrolling in this course.

VOCAL MUSIC COURSES

DOE Course code: Various
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester—1 credit, Successive semesters must be taken
Eligible grade level(s): Grades: 9, 10, 11, 12
Prerequisites or placement requirements: Advanced Choir Courses require audition placement.
Assessment or participation expectations: Students must participate in rehearsal and performance opportunities outside of the school day that support and extend learning in the classroom.

Students in Choir develop musicianship and specific performance skills through ensemble and solo singing. These co-curricular classes include the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day will be scheduled for rehearsals and performances, which serve as a culmination of daily rehearsal and musical goals. Students are required to participate in graded rehearsal and performance opportunities outside of the school day that support and extend learning in the classroom. A fee is required, with fundraising opportunities available.

Choose from the following VOCAL MUSIC courses:

Choral Music Level 1:

BEGINNING MALE CHOIR - ORIOLE CHOIR (0821-0822)
Grade: 9, 10, 11, 12
All incoming 9th-12th grade males should enroll in this class unless placed in an advanced ensemble by directors following an audition.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

BEGINNING TREBLE CHOIR – BLACK AND GOLD (0813-0814)
Grade: 9, 10, 11, 12
All incoming 9th-12th grade females should enroll in this class unless placed in an advanced ensemble by directors following an audition.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Choral Music Level 2 (Intermediate Women's Chorus):

INTERMEDIATE WOMEN'S CHOIR - SYMPHONIC CHOIR (0823-0824)
Grades: 10, 11, 12
This is an auditioned intermediate choir for 10th-12th grade females.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Choral Music Level 3 REQUIRED COURSES (Advanced Treble Choir, Advanced Male Choir, Advanced Mixed Chorus):

ADVANCED TREBLE CHOIR - ALLEGROS (0817-0818)
Grades: 9, 10, 11, 12
This is an auditioned advanced choir for 9th-12th grade females. This course must be taken for two semesters. Additional rehearsals and performances are required, including the Madrigal Dinner and Concert Choir invitationals.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

ADVANCED MIXED CHORUS—CHAMBER SINGERS (0825-0826)
Grades: 9, 10, 11, 12
This is an auditioned advanced choir for 9th-12th grade students. This course must be taken for two semesters. Additional rehearsals and performances are required, including the Madrigal Dinner, Winter Solace, Community Performances, and Concert Choir invitationals.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Show Choir:

VOCAL ADVANCED JAZZ - ACCENTS (0865-0866)
Grades: 9, 10, 11, 12
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This is an auditioned advanced choir for 9th-12th grade students. This course must be taken for two semesters. Additional rehearsals and performances are required, including Winter Solace, Community Performances, and Show Choir invitationals. Students will develop performance skills through ensemble singing and choreography. Show Choir students are eligible for a 1 credit P.E. Waiver by successfully completing the requirements of the course.
Prerequisites: All students in grades 10-12 in Accents are encouraged, but not required, to concurrently participate in either Advanced Mixed or Advanced Women's Choir.

The Accents is a co-curricular, advanced level, mixed gender show and jazz choir. This ensemble performs advanced level music in a variety of styles at the highest degree of proficiency possible. This course provides students with opportunities to develop musicianship and specific performance skills through ensemble singing and choreography. Instruction is designed to integrate music study into other subject areas. Members are required to attend multiple rehearsals outside of regular school hours in preparation for performances. The Accents will perform at school concerts and a variety of other community performances and contests throughout the year. Some after school, evening and weekend time is required and members are expected to attend all rehearsals and performances. Members will be responsible for additional fees for participation. Fundraising opportunities for members are available.

VOCAL JAZZ - ATTRACTION SHOW CHOIR (0843-0844)
Grades: 9, 10, 11, 12
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This is an auditioned advanced choir for 9th-12th grade females. This course must be taken for two semesters. Additional rehearsals and performances are required, including Community Performances, and Show Choir invitationals. Students will develop performance skills through ensemble singing and choreography. Show Choir students are eligible for a 1 credit P.E. Waiver by successfully completing the requirements of the course.

Students are encouraged to also enroll in a concert choir. *Attraction* is a co-curricular, advanced level, all female jazz and show choir. The ensemble performs advanced level of music in a variety of styles. This course provided students with opportunities to

develop musicianship and specific performance skills through ensemble singing and choreography. Instruction is designed to integrate music study into other subject area. Members are required to attend multiple rehearsals, performances, and competitions outside of the normal school day. Attendance at these events will be part of the student's grade. Members will be responsible for additional fees. Fundraising opportunities for members are available.

DANCE COURSES

The following credited Dance courses are not associated with the non-credited, extra-curricular activity, Avon Dance Team.

Dance classes may be taken multiple times.

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. Activities are designed to develop students' ability to:

- translate ideas, images, emotions, perceptions, and personal experiences into movement
- improvise, using immediate and spontaneous responses:
- experiment and apply concrete and abstract concepts;
- produce a concept and design using a selection of style, content, and accompaniment;
- understand musical phrasing, rhythmic structures, meters, and musical application within choreography;
- research production and technical skills required for an actual performance; make interpretive decisions; and
- create and include accompaniment rehearsals, costume and props, and set and lighting design
- identify ways that dance reflects, records, and influences history
- identify patterns, relationships, and trends dance plays in at least two different cultures and discuss how aesthetic judgments vary between them
- research the origins of and the universal themes of dance

Using a modern dance-based approach, Dance courses explore movement as a creative art form. Student learning includes opportunities to develop kinesthetic awareness, proper body alignment, physical strength, flexibility, endurance, and care of the dance instrument while exploring improvisational and expressive movement and basic modern dance technique. Dance elements and basic principles of composition are studied and practiced. Through dance ensemble work, students use creative and critical thinking skills to create and communicate meaning through dance movement. Students experience the role of both choreographer and dancer and have opportunities to present their work. Through the study of dance in various cultures and historical periods, students broaden their understanding of dance as an art form. Students will explore a variety of career opportunities in dance as well as connections with other art forms and subject areas. Students will create a portfolio which contains written and/or visual examples of their work. Choreographic activities provide students opportunities to participate in roles as soloist, a choreographer or leader, and in a subject role. Students explore a wide variety of choreographic philosophies as well as administrative and media skills necessary for the promotion and documentation of works to be performed. Students experience and learn to use appropriate terminology to describe, analyze, interpret, and critique dance compositions by professional individuals or companies.

DANCE CHOREOGRAPHY I (0852)
DOE Course code: 4142
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester—1 credit, Successive semesters may be taken
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None

DANCE CHOREOGRAPHY II (0853)
DOE Course code: 4142
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester—1 credit (*Successive semesters may be taken)*
Eligible grade level(s): 9, 10 ,11, 12
Prerequisites or placement requirements: Successful completion of all previous levels of dance and Instructor approval

DANCE CHOREOGRAPHY III (0854)
DOE Course code: 4142
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One Semester—1 credit (*Successive semesters may be taken)*
Eligible grade level(s): 9,10,11,12
Prerequisites or placement requirements: Successful completion of all previous levels of dance and Instructor approval

ADVANCED DANCE TECHNIQUE (0859-0863)
DOE Course code: 4142
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: Two semesters—1 credit per semester (*Two semesters are recommended)*
Eligible grade level(s): 9,10,11,12
Prerequisites or placement requirements: Required: Two semesters of dance and Placement Test

At the advanced level students are expected to learn phrases more quickly. Students work to develop an articulate, alert, and neutral body, ready for precise dancing with intricate coordination. Clarity, simplicity of movement, and attention to detail are key objectives. Advanced dancers are encouraged to take risks to expand the range of their movement practice. This class will focus on technique, strength, and flexibility.

DANCE COMPANY I & II (0856-0857)
DOE Course code: 4146
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: Two semesters—1 credit per semester (*Required: Year-round Course)*
Eligible grade level(s): 9,10,11,12
Prerequisites or placement requirements: Audition
Assessment or participation expectations: A limited amount of time, outside of the school day, may be scheduled for additional rehearsals and performances. A limited number of public performances will serve as a culmination of daily rehearsal and dance goals. Students must participate in performance opportunities, outside of the school day, that support and extend learning in the classroom.

This class is designed for members of the Avon Gold Dance Team. Students have the opportunity to experience professional performances and master classes during and outside of the school day.

JV DANCE COMPANY I & II (0858/0858B)
DOE Course code: 4146
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: Two semesters—1 credit per semester (*Required: Year-round Course)*
Eligible grade level(s): 9,10,11,12
Prerequisites or placement requirements: Audition
Assessment or participation expectations: A limited amount of time, outside of the school day, may be scheduled for additional rehearsals and performances. A limited number of public performances will serve as a culmination of daily rehearsal and dance goals. Students must participate in performance opportunities, outside of the school day, that support and extend learning in the classroom.

This class is designed for members of the JV Avon Gold Dance Team.

COLOR GUARD (0811-0812)
DOE Course code: 4146
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: Two semesters—1 credit per semester (*Required: Two semesters per year is **required** for this course)*

Eligible grade level(s) : 9,10,11,12
Prerequisites or placement requirements: Audition

Assessment or participation expectations: *This is the Dance Course associated with the AHS Marching Black and Gold.* Students are required to participate in performance opportunities, outside of the school day, that support and extend the learning in the classroom.

.

Dance Performance – COLOR GUARD provides students with instruction in the development of skills in the art of performing various bodily movements in rhythm using musical accompaniment. Course content will include music terminology, note values, rhythms, meter, tempo, melodic content and contrast, music listening, performance techniques, choreography, costuming and makeup, and safety practices (warm up and cool down). The Avon color guards, which include dance, flags, rifles, and sabers, are a part of this curriculum. The dance class performs with the marching band in the fall and is a member of the Indiana High School Color Guard Association (IHSCGA) and Winter Guard International (WGI) during the winter months.

THEATRE COURSES

TECHNICAL THEATRE (1760)
DOE Course code: 4244
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: Since this is a laboratory course, a minimum of fifty percent of the total instructional time is devoted to laboratory activities in which the pupil personally uses appropriate procedures and equipment in accomplishing the learning tasks.

Technical Theatre instruction combines the theories of design and stagecraft with the construction and operation of the various elements of technical theatre. Students are provided with opportunities to: 1) develop stage craft skills; 2) learn various techniques in scenery, lighting, sound, properties, costumes, and makeup; 3) practice theatre safety; 4) learn effective stage management and business plans. Career opportunities in Stage Production are also explored.

ADVANCED TECHNICAL THEATRE 1766
DOE Course code: 4252
Diploma / graduation requirement: One semester – 1 credit (successive semesters may be taken)
Credit value and course length: Core 40, AHD course, Indiana Diploma
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Technical Theatre
Advanced Technical Theatre is based on the Indiana Academic Standards for Theatre. Students enrolled in Advanced Technical Theatre actively lead and supervise in the process of designing, building, managing, programming, drafting, 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 investigate technical theatre careers then develop a plan for potential employment or further education through audition, interview or presentation of a portfolio. Students also attend and critique theatrical productions and volunteer to support theatre in their community.

THEATRE ARTS (1761)
DOE Course code: 4242
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Theatre Arts instruction enables a student to: 1) improvise and write plays or scenes; 2) imaginatively express thoughts, feelings, moods, and characters; 3) apply techniques involving voice, gesture, facial expression, and body movements to reproduce the subtleties of language and voice inflection in conveying emotion and meaning. Students are introduced to warm-up activities for body and voice, including mime activities. Students develop skills enabling them to speak clearly and expressively with 1)

appropriate articulation; 2) pronunciation; 3) volume; 4) stress; 5) rate; 6) pitch; 7) intonation. Using knowledge gained through the study of performance and production, students focus on solving the problems faced by actors, directors, and technicians. They refine their abilities to collaborate on performances, and they learn to constructively evaluate their own and other's efforts. Study includes activities from a variety of historical and cultural contexts. Students develop critical thinking skills through studying examples of theatre criticism followed by analyzing and evaluating live performances.

ADVANCED THEATRE ARTS (1762)
DOE Course code: 4240
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: B- or better in Theatre Arts
Assessment or participation expectations: Students attend and critique theatre productions and identify ways to support the theatre in their community.

Students enrolled in *Advanced Theatre Arts* read and analyze plays and apply criteria to make informal judgments. They draw on events and experiences to create scripted monologues, scenes, and one-acts. They create production designs – including make-up, costume, set, and publicity for a play. They will build characters through observation, improvisation, and script analysis. These activities should incorporate elements of theatre history, culture analysis, response, creative process, and integrated studies. Additionally, students explore careers in theatre arts and begin to develop a portfolio of their work.

ADVANCED ACTING (1764)
DOE Course code: 4250
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Theatre Arts

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.

THEATRE PRODUCTION (1763)
DOE Course code: 4248
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester—1 credit (*Successive semesters may be taken)*
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Theatre Arts
Assessment or participation expectations: Students attend and critique theatrical productions and volunteer to support theatre in their community.

Theatre Production is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Production take on responsibilities associated with rehearsing and presenting a fully mounted theatre production. They read and analyze plays to prepare for production; conceive and realize a design for a production, including set, lighting, sound, and costumes; rehearse and perform roles in a production; and direct or serve as assistant director for a production. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students investigate a theatre arts career then develop a plan for potential employment or further education through audition, interview, or presentation of a portfolio.

IVY HUMA 100 THEATRE APPRECIATION (4260FD)
DOE Course code: 4260, Advanced Fine Arts, College Credit
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma, Indiana College Core Eligible
Credit value and course length: One semester – 1 credit, 3 credits of College Credit eligible

Eligible grade level(s): 11,12
Prerequisites or placement requirements: Cumulative GPA of 2.6 or higher, SAT EBRW 460/ PSAT EBRW 430, Knowledge Assessment: Read/Write 70
Assessment or participation expectations: This is a 1 semester courses offered for dual credit through Ivy Tech Community College and counts as 3 credit hours. Students must apply at the beginning of each course for credit.

Ivy Huma 100 Theatre Appreciation is dual credit course focused on all aspects of theatre. Designed for both theatre enthusiasts and newcomers, the course explores a wide range of theatrical traditions and practices, including acting, directing, backstage and technical design, and critical analysis of a script. Students will study major movements in theatre history, examine contemporary performances, and develop a stronger understanding of technical theatre design. Through lectures, discussions, hands-on activities, and viewing both live and recorded performances, students will gain a deeper understanding of how theatre reflects and shapes society.

GENERAL MUSIC: MUSIC THEORY AND PIANO

PIANO AND ELECTRONIC KEYBOARD I (0860)
PIANO AND ELECTRONIC KEYBOARD II (0861)
PIANO AND ELECTRONIC KEYBOARD III (0862)
PIANO AND ELECTRONIC KEYBOARD IV (0864)

DOE Course code: 4204
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None for Piano I**,** Previous Course, or Audition

High school students taking this course are offered keyboard classes, including piano and electronic keyboard in order to develop music proficiency and musicianship. Each Piano Course has a different focus; *Piano I* - Music Reading and Rudiments of the Piano, *Piano II* - Finger Flexibility and Strength, *Piano III* – Concert Piano, and *Piano IV* – Pop Piano. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine, and integrate music study in other subject areas on a beginning level. Students: (1) perform with proper posture, hand position, fingering, rhythm, and articulation; (2) compose and improvise melodic and harmonic material; (3) create and perform simple accompaniments; (4) listen to, analyze, sight-read, and study the literature performed; (5) study the elements of music as exemplified in a variety of styles; and (6) make interpretive decisions.

MUSIC THEORY AND COMPOSITION I (0830)
DOE Course code: 4208
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None

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

ADVANCED PLACEMENT (AP) MUSIC THEORY (0831-0832)

DOE Course code: 4210
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma, Enrollment Seal, Indiana College Core Eligible
Credit value and course length: Two semesters – 2 credits
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Music Theory and Composition I or Teacher Recommendation
Assessment or participation expectations: The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

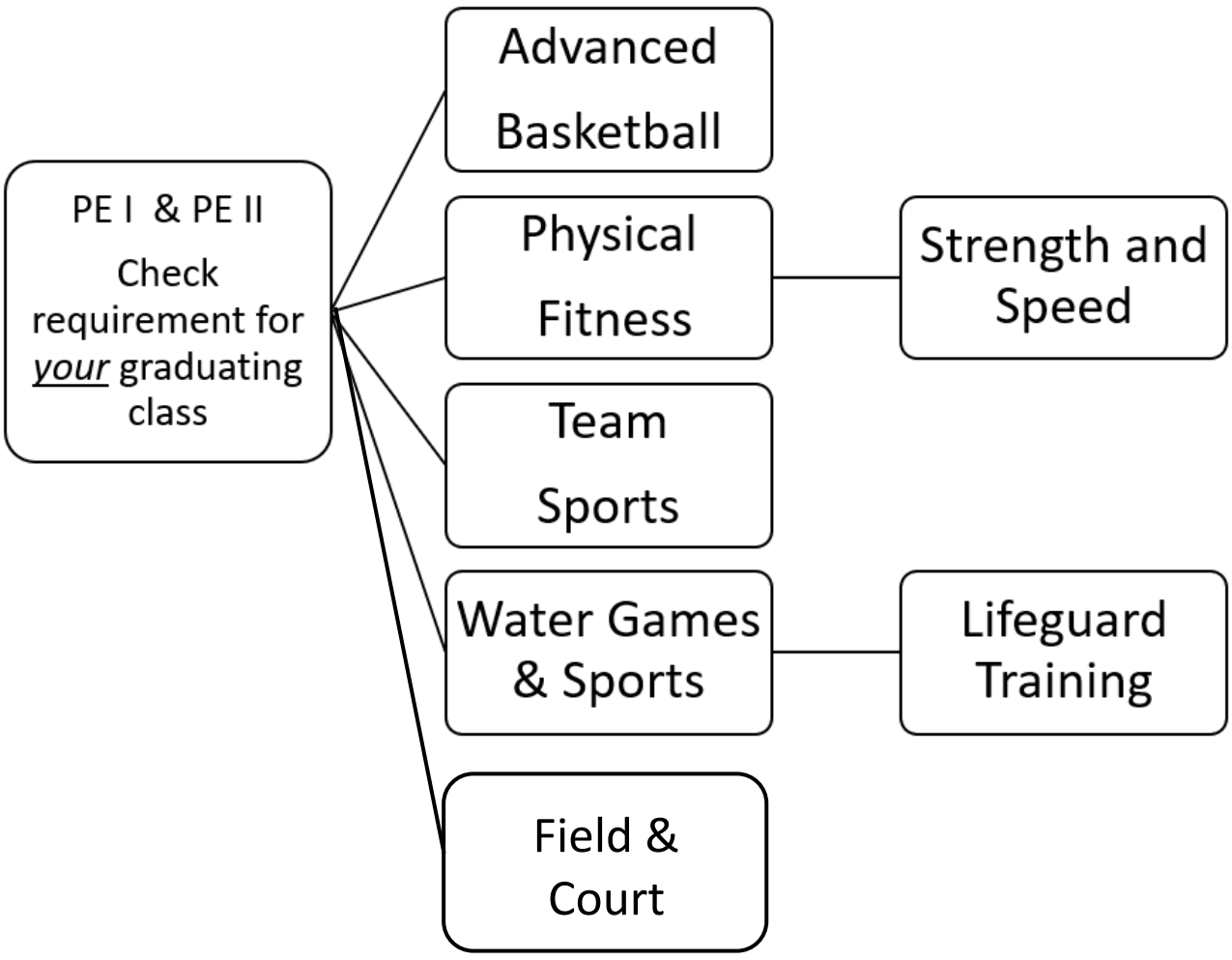
AP Music Theory focuses on musicianship, theory, musical materials, and procedures. AP Music Theory students will be required to read, notate, compose, perform, and listen to music. The development of aural skills is one primary objective of the course.

The student ability to read and write musical notation is fundamental. It is also assumed that the student has acquired performance skills in voice or on an instrument. The ultimate goal of this course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or present in a score. The course will instill mastery, speed, and fluency of various rudiments and terminologies of music, including notation, intervals, scales and keys, chords, metric organization, and rhythmic patterns. From these basic skills, the course will progress to include more sophisticated and creative tasks, such as: compositions of a bass line for a given melody, implying appropriate harmony, realization of a figured bass, realization of a Roman numeral progression and analysis of repertoire, including study of motive treatment, examination of rhythmic and melodic interaction between individual voices of a composition, and harmonic analysis of functional tonal passages. This course will emphasize procedures based on common-practice tonality: functional triadic harmony in traditional four-voice texture (with vocabulary including non-harmonic tones, seventh chords, and secondary dominants), tonal relationships, and modulation to closely related keys. Emphasis will also be placed on standard rhythms and meters, phrase structure, and small forms (e.g. rounded binary, simple ternary, theme, and variation and strophic).

PHYSICAL EDUCATION & HEALTH COURSES

NOTE for **Class 2028:** PE I and PE II to be completed by the end of 10th grade

NOTE for **Classes of 2029, 2030, & 2031:** Graduation requirements include **ONE** semester of PE (usually taken in 7th/8th grade as 2 quarters)



Department Chair: Mr. Troy Ballou

PHYSICAL EDUCATION & HEALTH COURSE DESCRIPTIONS

PHYSICAL EDUCATION I (1122)
DOE Course code:3542
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma physical education course.
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9 – to be completed by the end of grade 10
Prerequisites or placement requirements: None
Assessment or participation expectations: THIS COURSE IS REQUIRED FOR GRADUATION for the class of 2028 See beginning of the Program of Studies for PE waiver information.

Physical Education I will emphasize health-related fitness and development of the skills and habits necessary for a lifetime of activity. This program includes skill development and the application of rules and strategies of complex difficulty in at least three of the following different movement forms: (1) health-related fitness activities (cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition); (2) aerobic exercise; (3) team sports; (4) individual and dual sports; (5) outdoor pursuits; (6) aquatics; and (7) recreational games. Ongoing assessment includes both written and performance-based skill evaluations. Students will be required to complete 15 hours of swimming. Swimming with goggles is recommended. Classes are coeducational unless the activity involves bodily contact, or groupings are based on an objective standard of individual performance developed and applied without regard to gender. Adapted physical education must be offered, as needed, in the least restricted environment and must be based on individual assessment.

PHYSICAL EDUCATION II (1123)
DOE Course code: 3544
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma physical education course.
Credit value and course length: One semester—1 credit
Eligible grade level(s): Grade: 9 – to be completed by the end of grade 10
Prerequisites or placement requirements: None
Assessment or participation expectations: THIS COURSE IS REQUIRED FOR GRADUATION for the class of 2027, 2028, 2029, 2030. See beginning of the Program of Studies for PE waiver information.

Physical Education II continues to emphasize a personal commitment to lifetime activity and fitness for enjoyment, challenge, self-expression, and social interaction. This course provides students with opportunities to achieve and maintain a health-enhancing level of physical fitness and increases their knowledge of fitness concepts. It includes at least three different movement forms without repeating those offered in Physical Education I. Movement forms may include: (1) health-related fitness activities (cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition); (2) aerobic exercise; (3) team sports, (4) individual and dual sports; (5) outdoor pursuits; (6) aquatics; and (7) recreational games. Ongoing assessment includes both written and performance-based skill evaluations. This course will also include a discussion of related careers. Classes are coeducational unless the activity involves bodily contact, or groupings are based on an objective standard of individual performance developed and applied without regard to gender. Adapted physical education must be offered, as needed, in the least restricted environment and must be based on individual assessment.

HEALTH EDUCATION (1101)
DOE Course code: 3506
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma Health Education course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9 or 10
Prerequisites or placement requirements: None
Assessment or participation expectations: This course is required for graduation for all classes.

High school *Health Education* provides the basis for continued methods of developing knowledge, concepts, skills, behaviors, and attitudes related to student health and well-being. This course includes the major content areas in a planned, sequential, comprehensive health education curriculum as expressed in the Indiana Health Education 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 are provided with opportunities to explore the effect of health behaviors on an individual's quality of life. This course assists students to understand that health is a lifetime commitment, by analyzing individual risk factors and health decisions that promote health and prevent disease. Students are also encouraged to assume individual responsibility for becoming competent health consumers. A variety of instructional strategies, including technology, are used to further develop health literacy.

PHYSICAL FITNESS (1137-1138)
DOE Course code: 3560, Elective Physical Education
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma physical education course.
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: One credit of previous PE

This course is designed for the student who does not receive vigorous activity during an athletic season. Physical Fitness is an elective physical education course. Daily participation and proper dress is required. Failure to comply may result in removal from the course. Physical Fitness is designed to improve fitness levels and knowledge about fitness and training. Using a variety of cardiovascular devices, resistance exercises (weightlifting, calisthenics, or plyoball training), and fitness routines like those at health clubs, students will gain firsthand knowledge on how to create productive routines that are safe and progressive. Students will experience a variety of activities designed to increase cardio-vascular fitness and muscular strength. These programs will be designed to improve body composition on an individual basis through exercise and diet. Periodic fitness testing will test cardiovascular endurance, muscular endurance, and muscular strength.

The second purpose of this course is to help the student gain knowledge in fitness that will lead to lifelong fitness habits. Students will investigate topics such as establishing a training heart rate, balanced diets, dietary supplements, choosing a fitness club, and creating fitness workouts that meet individual goals. The program may include resistance training, jogging, plyometric training, aerobic activities, flexibility routines, yoga, tai chi, and Pilates. This course is designed for the student who does not receive vigorous physical activity during the athletic season.

ADVANCED HEALTH AND WELLNESS (1181)
DOE Course code: 3500
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Health and Wellness
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Advanced Health and Wellness provides advanced knowledge and skills to help students adopt and maintain healthy behaviors. Students will practice the development of functional advanced health information; and determine personal values that support healthy behaviors. Advanced Health and Wellness provides students with an in-depth study of promoting personal health and wellness, physical activity, healthy eating; promoting safety and prevention of unintentional injury and violence; promoting mental and family health. The scientific components of health and wellness, health issues and concerns, health risk appraisals, individual wellness plans, health promotion, and health careers are expanded and explored within the context of the course. This course provides students with the advanced knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

TEAM SPORTS (1145-1146)
DOE Course code: 3560, Elective Physical Education
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma physical education course.
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: One credit of previous PE (C- or higher)

Team Sports is an elective physical education course. Daily participation and proper dress are required. Failure to comply may result in removal from the course. This course is designed for motivated students who are willing to participate in indoor and outdoor

activities depending on the time of the year. This course covers the fundamentals of games such as softball, flag football, soccer, basketball, and volleyball. Rules, skills, and strategies of the various games are stressed.

STRENGTH AND SPEED (1197-1198)

DOE Course code: 3560, Elective Physical Education
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma physical education course.

Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements:

- Incoming freshmen must have played on an AMS North, AMS South, or AMS West athletic team the previous year or have a head coach's recommendation to enroll in the class.
- C+ or higher must have been earned in previous PE course(s).
- Must maintain a C+ or higher in previous semester of Strength & Speed to remain in course.

Non-athlete Considerations:

- All non-athletes must have PE I completed or have obtained a PE waiver before being considered for the course.
- Any non-athlete requesting to be in Strength & Speed must have completed a semester of the Physical Fitness course, earning a B- or better, or needs a recommendation from the PE teacher of record or coach.
-

Assessment or participation expectations: *This course is for athletes who are preparing for a competitive season. Daily participation, consistent effort, and proper attire are paramount to keeping each individual safe. Weekly progress is tracked with data and managed with progressions that help students make appropriate weight selections and maximize individual progress. Inconsistent attendance and/or participation can result in students being removed from the course per instructor's discretion.*

Strength & Speed will not be used as a study hall or a space where students can do make-up work. Those wishing to study for classes and/or complete make-up work should elect to enroll in study hall or utilize SRT time appropriately.

Strength & Speed is an advanced elective physical education course. The program emphasizes the development of strength, speed, and power through evidence-based training, individualized data, and a diverse blend of exercises and movements, including power clean, squat, trap-bar deadlift, and bench press. Auxiliary lifts will be used to complement core lifts, and an added emphasis on tracking data for bar speed, acceleration, and maximum velocity will be used to program weekly workouts and track progress. This program will work to enhance muscular strength, muscular endurance, speed and agility, mobility, and flexibility while also promoting safety and injury risk minimization. While no prior background in strength and speed training is required, it is highly recommended.

Injuries/Communication:

Injuries happen. When they do, communication is extremely important. If an injury occurs while participating in an AHS athletic program, our athletic training staff communicates appropriate restrictions and return-to-play guidelines. Except in cases requiring complete restriction from physical activity, students will typically be provided with modified exercises, rehabilitation activities, or other appropriate work they can safely complete during class.

Injuries occurring outside of school require medical documentation to excuse a student from participating in scheduled workouts. Communication from a parent or guardian may provide a brief grace period while medical evaluation is being obtained; however, continued non-participation without documentation from a physician or direction from our athletic training staff may result in a loss of daily participation points.

When appropriate, medical documentation should include specific restrictions, rehabilitation exercises, or activities the student is permitted to complete. Strength & Speed instructors will help facilitate rehabilitation and modified training during class. Approved rehabilitation or modified training will receive the same participation credit as the regularly scheduled class work it replaces. Being injured does not automatically mean a student cannot participate in Strength & Speed. Our goal is to work within the restrictions provided by medical professionals and keep students safely active whenever possible. However, if an injury or medical condition prevents a student from participating in meaningful class activity for an extended period, removal from the course may be necessary. Strength & Speed is a participation-based course, and course credit requires consistent participation and completion of class expectations throughout the semester.

ADVANCED BASKETBALL (1163-1164)
DOE Course code: 3560, Elective Physical Education
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma physical education course.
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: One credit of previous PE (C- or higher)

Advanced Basketball is an elective physical education course. Daily participation and proper dress is required. Failure to comply may result in removal from the course. This course incorporates fundamentals and strategies of basketball into daily activity. This course promotes and teaches the advantages of participating in this life-long activity. Sportsmanship, improvement of basketball skills and developing strategies are the key components of this course.

New Course! FIELD and COURT (1116)
DOE Course code: 3560, Elective Physical Education
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma physical education course.
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None

This physical education elective emphasizes lifelong fitness and tactical competence through an engaging selection of field and court sports, including soccer, basketball, volleyball, pickleball, and ultimate frisbee. The course transitions students from fundamental skill development to executing complex offensive and defensive strategies. Beyond physical performance, students will actively practice teamwork, leadership, and sportsmanship while gaining experience in officiating and gameplay management to build the confidence needed to remain active for a lifetime.

WATER GAMES & SPORTS (1161)
DOE Course code: 3560, Elective Physical Education
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma physical education course.
Credit value and course length: One semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: PE I or Swimming Assessment
Assessment or participation expectations: Swimming with goggles will be required.
Water games and sports is an elective physical education course designed to improve aquatic fitness, safety and teamwork through structured water activities. Students will develop their swimming technique and essential aquatic survival skills while participating in competitive games, including water polo, water volleyball, water baseball, water relays and many other water games and activities. Active daily participation and proper aquatic attire are expected in this high-energy, participation-based course.

LIFEGUARD TRAINING (1107)
DOE Course code: 3560, Elective Physical Education
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma physical education course.
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: PE I (C- or higher)
Assessment or participation expectations: Students must be 15 years of age by the end of the semester in which the course is taken.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Lifeguard Training is an elective physical education course. Daily participation and proper dress is required. Failure to comply may result in removal from the course. This course is open to all students who are strong swimmers and have a desire to be a lifeguard. All lifeguard candidates must be able to swim 12 lengths of the pool in both freestyle and breaststroke as well as retrieve a ten-pound object from the bottom of the deep end of the pool before being considered for admission to the class. You will become a certified American Red Cross lifeguard. The course also includes certification in CPR, first aid, and use of a defibrillator.

LIFEGUARD II—AUDIT (1113)
DOE Course code: 3560, Elective Physical Education
Diploma / graduation requirement:
Credit value and course length: One semester – No credit, Paid Position
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Lifeguard Training
Assessment or participation expectations: The student may be required to have an employment application (work permit) on file with the school corporation to be eligible for this paid position.

To be hired, a student must be a certified Red Cross lifeguard or have successfully completed Lifeguard Training.
Students taking this course may not take a study hall during the same semester. A student, who is certified, may forfeit the one semester allowed study hall to work as a lifeguard for PE classes held in the pool.

SCIENCE COURSES

This chart is a suggested course of study. All final decisions should be made with the student's school counselor.

	HONORS/AP		CORE 40/Enrollment Honors Seal	Available Electives At This Level (PREREQUISITE(S) REQUIRED for ALL elective courses)
9th	CHEMISTRY I HONORS Or CHEMISTRY I or PHYSICS I HONORS	BIOLOGY I HONORS	BIOLOGY I	PLTW: PRINCIPLES OF BIOMEDICAL SCIENCE *
10th	**CHOOSE ONE: AP CHEMISTRY AP ENVIRONMENTAL SCIENCE PHYSICS I HONORS ANATOMY & PHYSIOLOGY HON	**CHOOSE ONE: CHEMISTRY I HONORS PHYSICS I HONORS	CHOOSE ONE: INTEGRATED CHEMISTRY AND PHYSICS CHEMISTRY I PHYSICS I	ADV. SCI: BIOCHEMISTRY ADV. SCI.: INTRO. TO FORENSIC SCIENCE ORGANIC CHEMISTRY PLTW: PRINCIPLES OF BIOMEDICAL SCIENCE * PLTW: HUMAN BODY SYSTEMS * ENVIRONMENTAL SCIENCE IVY BIOT 100-SURVEY OF BIOTECHNOLOGY IVY BIOT 105 – SURVEY OF CGMP (GOOD MANUFACTURING PRACTICES)
11th	**CHOOSE FROM: ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. PHYSICS I HONORS	**CHOOSE FROM: CHEMISTRY I HONORS ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. PHYSICS I HONORS	ELECTIVES OR INTEGRATED CHEMISTRY AND PHYSICS CHEMISTRY I PHYSICS I ENVIRONMENTAL SCIENCE	ADV. SCI: BIOCHEMISTRY ADV. SCI.: HUMAN GENETICS ENVIRONMENTAL SCIENCE ADV. SCI.: INTRODUCTION TO FORENSIC SCIENCE PLTW: PRINCIPLES OF BIOMEDICAL SCI. PLTW: HUMAN BODY SYSTEMS PLTW: MEDICAL INTERVENTIONS ADV. SCI.: ZOOLOGY ADV. SCI.: ORGANIC CHEMISTRY PHYSICS II IVY BIOT 100-SURVEY OF BIOTECHNOLOGY IVY BIOT 102 – SURVEY OF CGMP (GOOD MANUFACTURING PRACTICES) IVY BIOT 103-SAFETY AND REGULATORY COMPLIANCE IVY BIOT 105 – REGULATORY AFFAIRS
12th	**CHOOSE FROM: ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. AP PHYSICS C: ELEC. & MAG. ELECTIVES	**CHOOSE FROM: CHEMISTRY I HONORS ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. AP PHYSICS C: ELEC. & MAG. ELECTIVES	ELECTIVES	ADV. SCI: BIOCHEMISTRY ADV. SCI.: HUMAN GENETICS ENVIRONMENTAL SCIENCE PLTW: HUMAN BODY SYSTEMS PLTW: MEDICAL INTERVENTIONS PLTW: BIOMEDICAL INNOVATIONS ADV. SCI.: ZOOLOGY ADV. SCI.: ORGANIC CHEMISTRY ADV. SCI.: INTRODUCTION TO FORENSIC SCIENCE PHYSICS II IVY BIOT 100-SURVEY OF BIOTECHNOLOGY IVY BIOT 102 – SURVEY OF CGMP (GOOD MANUFACTURING PRACTICES) IVY BIOT 103-SAFETY AND REGULATORY COMPLIANCE IVY BIOT 105 – REGULATORY AFFAIRS IVY BIOT 104 QUALITY MANUFACTURING PRACTICES BIOT 110 PHARMACEUTICAL PRODUCT MANUFACTURING

*Project Lead the Way: Principles of Biomedical Science is the only science elective course offered at grade 9. It must be taken concurrently with Biology I or Biology I Honors if enrolled during 9th grade. Chemistry I Honors, Chemistry I or Integrated Chemistry and Physics if enrolled during 10th grade. Students who complete all four years of the PLTW curriculum are recognized with cords for graduation.

**All prerequisites must be met to enroll in any course (both elective and required)

Department Chair: Mrs. Malari Williams

SCIENCE COURSE DESCRIPTIONS

Career Pathways/Program of Study – Classes of 2028, 2029, 2030, and 2031				
Pathway/Program of Study	**Example careers**	**Principles Course**	**Concentrator Course A**	**Concentrator Course B**
Biomedical Sciences & Technology	Nurse, Medical Technician	Principles of Biomedical Sciences	Human Body Systems or Anatomy & Physiology	Medical Interventions

***PLTW Biomedical Science program completion requires four PLTW courses. This completion is recognized with a graduation cord after the fourth PLTW course. Grad Pathways criteria require Human Body Systems as the prerequisite for Medical Interventions. *Potential for college credit for courses based on score earned on the end of course assessment. Biomedical Innovations college credit is based on the grade earned in the course.**

PROJECT LEAD THE WAY: PRINCIPLES OF BIOMEDICAL SCIENCES (5218F-5218S)

Biomedical Sciences Pathway Course 1 of 3

DOE Course code: 5218
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma Elective
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11
Prerequisites or placement requirements: Biology I, Biology I Honors with a grade of C- or better (may be taken concurrently)
Assessment or participation expectations: *Students are required to take the Project Lead the Way national End of Course assessment during the second semester of the course.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Principles of Biomedical Science is an academically rigorous course and is the first of four courses in the Project Lead the Way Biomedical Science pathway. Students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over two semesters, students are challenged in various scenarios including investigating a crime scene, analyzing blood and blood tests, diagnosing and proposing treatment to patients in a family medical practice, synthesizing multiple sets of data to diagnose patients, tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

PROJECT LEAD THE WAY: HUMAN BODY SYSTEMS (5216F-5216S)

Biomedical Sciences Pathway Course 2 of 3

DOE Course code: 5216
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: PLTW: Principles of Biomedical Sciences, grade of C- or better, have taken Biology I or Biology I Honors with a grade of C- or better, have taken or are currently taking Chemistry I or Chemistry I Honors
Assessment or participation expectations: *Students are required to take the Project Lead the Way national End of Course assessment during the second semester of the course.*
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Human Body Systems is an academically rigorous course and is the second course in the Project Lead the Way Biomedical Science pathway. This course provides foundational knowledge and skills in anatomy and physiology, clinical medicine, and laboratory research. The course engages students in how this content can be applied to real world situations, cases, and problems. The HBS course includes interviews, challenges, and testimonials from biomedical professionals in a variety of settings—clinical, research, and public health. Through both individual and collaborative team activities, projects, and problems, students tackle real world challenges that biomedical professionals face in the field. Students work with the same tools and equipment used in hospitals and labs as they engage in relevant hands-on work. They explore BioDigital™ 3D interactive models, simulations, and assessments to visualize human anatomy and physiology. Students develop skills in technical documentation to represent and communicate experimental findings and solutions to problems, as well as skill in ethical reasoning and clinical empathy.

PROJECT LEAD THE WAY: MEDICAL INTERVENTIONS (5217F-5217S)

Biomedical Sciences Pathway Course 3 of 3

DOE Course code: 5217
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: PLTW: Human Body Systems or Anatomy & Physiology* with a grade of C- or better (may be taken concurrently with teacher recommendation), have completed Biology I or Biology I Honors with a grade of C- or better, have completed or currently taking Chemistry I or Chemistry I Honors, grade of C- or better. Course may be taken concurrently with Biomedical Innovations
Assessment or participation expectations: *Students are required to take the Project Lead the Way national End of Course assessment during the second semester of the course.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Medical Interventions is an academically rigorous course and is the third course in the Project Lead the Way Biomedical Science pathway. Students investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection, how to screen and evaluate the code in human DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Interventions are showcased across the generations of the family and provide a look at the past, present, and future of biomedical science.

*PLTW Biomedical Science program completion requires four PLTW courses. This completion is recognized with a graduation cord after the fourth PLTW course. Dual credit criteria and Grad Pathways criteria require Human Body Systems as the prerequisite for Medical Interventions.

PROJECT LEAD THE WAY: BIOMEDICAL INNOVATIONS (5219F-5219S)

DOE Course code: 5219
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: Two semesters—1 high school credit per semester
Eligible grade level(s): 12
Prerequisites or placement requirements: PLTW: Medical Interventions (may be taken concurrently with teacher recommendation) grade of C- or better
Assessment or participation expectations: After the completion of all four PLTW Biomedical Science courses, students in good standing are recognized with a graduation cord.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Biomedical Innovations is the fourth course in the Project Lead the Way biomedical science program and is the senior capstone course. In Biomedical Innovations, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Throughout the course, students are expected to present their work to an audience that may include representatives from the local business and healthcare community.

BIOLOGY I (0921-0922)

DOE Course code: 3024
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Required Science Class
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Biology I provides for a study of the structures and functions of living organisms and their interactions with their environment. At a minimum, this study explores 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. Students will be exposed to the history of the development of biological knowledge, various biological careers, and questions and problems related to personal needs and social issues. Laboratory and field investigations will be used in these studies.

BIOLOGY I HONORS (0913T-0914T)
DOE Course code: 3024
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Required Science Class
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9
Prerequisites or placement requirements: Grade of B or better in science 8; B or better in English 8
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

It is expected that students who enroll in *Honors Biology* would have been successful students, receiving either an A or B in all science and English courses as biology is a vocabulary-heavy course. *Biology I Honors* provides for a study of the structures and functions of living organisms and their interactions with their environment. At a minimum, this study explores 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 with a "small to big" idea in mind. Students will learn science skills through research, projects, student-centered inquiry activities, and labs.

ANATOMY AND PHYSIOLOGY HONORS (0927-0928)
DOE Course code: 5276
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Biology I OR Biology I Honors, AND Chemistry I (with an A or B) OR Chemistry I Honors OR ICP with an A
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Anatomy and Physiology Honors is an extended laboratory, field, and dissection-based course. Students enrolled in this course will examine the internal structures, functions, and processes of living organisms as well as the biochemistry involved in these processes. Students will refine their scientific inquiry skills as they collaboratively and independently apply their knowledge of unifying body systems within an organism as a whole.

ADVANCED SCIENCE: BIOCHEMISTRY (0950)
DOE Course code: 3092
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Honors Chemistry or Chemistry I
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Advanced Science: Biochemistry is a one-semester course that extends fundamental concepts in chemistry, such as equilibrium, organic chemistry, acid/base chemistry, and thermodynamics into an exploration of the human cell. The content includes: 1) applying equilibrium processes to study biochemical reactions as well as cell structure, 2) studying the structure and function of amino acids and proteins, 3) analyzing the kinetic parameters of enzymes including different mechanisms of how drugs are used to inhibit enzymes, and 4) understanding and making connections in metabolism. The course is lab-based, and students will gain experience in various bio-techniques to investigate these topics. The minimum requirement is completion of Honors or General Chemistry although the preferred progression of this class would be a continuation of Organic Chemistry.

ADVANCED SCIENCE: ZOOLOGY (0925)
DOE Course code: 3092
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: One semester—1credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Bio/Honors Bio AND Chem/Honors Chem or Physics or Honors Physics
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Advanced Science: Zoology will provide students a project and dissection-based investigation into animal life. Laboratory and field investigations will be used to introduce the taxonomy of animals. The internal and external anatomy of animals from most of the phyla will be studied in lab format. Most Zoology labs will be centered on the dissection of many different animal organisms. Students will be exposed to the relationship between animals and their environment. In addition to this, students will study the various reproductive cycles, evolution of the animal kingdom, life cycles of animal phyla, and the organization of these animals.

ADVANCED SCIENCE: HUMAN GENETICS (0907)
DOE Course code: 3092
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Biology I and Chemistry I
Assessment or participation expectations: Students will complete a semester project over topics such as cancer, immunity, genetic testing, and genomics.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Students enrolled in this course engage in an in-depth study of the application of science concepts, principles, and unifying themes that are unique to that particular science discipline and that address specific technological, environmental, or health-related issues. Students will learn about their genetic inheritance and how this inheritance influences who they are, their health, and their future children. Topics discussed include Cell Cycle and Cell Reproduction; Inheritance (Mendelian and beyond); DNA Structure; Gene Expression; Gene and Chromosome Mutations and Genetic Testing; and Genetic Technology.

AP BIOLOGY (0915-0916)
DOE Course code: 3020
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Biology,
Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, Indiana College Core Eligible, STEM focused course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Biology I Honors and Chemistry I with a grade of C- or better in both
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Biology, Advanced Placement is a title covering a course that follows College Board national examination guidelines for Biology Advanced Placement. It follows a syllabus that is an accepted Advanced Placement curriculum and parallels the first semester (with many second semester topics) of the major state universities for students going into science related careers. Topics to be discussed include: 1) Chemistry of Life (Biochemistry); 2) Cell Structure and Function; 3) Cellular Energetics; 4) Cell Communication and Cell Cycle; 5) Heredity; 6) Gene Expression and Regulation; 7) Natural Selection; and 8) Ecology

IVY BIOL 101 INTRO TO BIOLOGY (3026F/3026S)
DOE Course code: 3090 Advanced Science, College Credit (L)

Diploma / graduation requirement: Core 40, AHD, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, Indiana College Core Eligible, STEM focused course
Credit value and course length: Two semesters—1 credit per semester – 3 credits possible through Ivy Tech Community College
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Successful completion of Biology or Biology Honors
Dual Credit prerequisites: Juniors or Seniors with an unweighted or weighted GPA of 2.6 or higher qualify for enrollment. Students not meeting these criteria must pass a placement exam (see Below)
Assessment or participation expectations: The expectation is for students who choose these courses to do so for DUAL CREDIT for potential of 3 college credits per semester.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Dual Credit prerequisites meet one of the following in each section:
PROGRAM READY WRITING:

- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

PROGRAM READY READING:

- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

MATH:

- KAQR 55; KASTEM 50
- Digital SAT Math 500
- Digital PSAT Math 490

All students receiving a grade of "C" or higher in this course will be eligible for college credit at any Indiana public institution. The student's grade in this course is weighted at Avon High School. The curriculum for this course is largely established by Ivy Tech.

Ivy Tech Biology 101 covers the basic concepts of life. This includes discussion of cellular and organismal biology, genetics, evolution, ecology, and interaction among all living organisms and addresses applications of biology in a global community. The goal of this course is to prioritize labs, technologies, and real-world connections to teach the biological principles of *Ivy Tech BIOL 101*. Students can expect to regularly conduct experiments and inquiries to engage in the biological world within the classroom.

New Course! IVY BIOT 100 – SURVEY OF BIOTECHNOLOGY/PRINCIPLES OF BIOTECHNOLOGY (7340F/7340S)
DOE Course code: 7340
Diploma / graduation requirement: Core 40, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course
Credit value and course length: Two Semesters—1 credit per semester.
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Must meet Dual Credit requirements to take this course.
Complete Biology with a C or above
Completed Algebra I with a C or above
Concurrently enrolled in Chemistry or have completed Chemistry I with a C or better
2.6 GPA minimum.
Assessment or participation expectations: Must also enroll in IVY BIOT 102 the following semester.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Dual Credit prerequisites, meet one of the following in each section:
PROGRAM READY WRITING:

- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

PROGRAM READY READING:

- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

MATH:

- KAQR 55; KASTEM 50
- Digital SAT Math 500
- Digital PSAT Math 490

All students receiving a grade of "C" or higher in this course will be eligible for college credit at any Indiana public institution. The student's grade in this course is weighted at Avon High School. The curriculum for this course is largely established by Ivy Tech.

Presents an in-depth overview of biotechnology emphasizing basic molecular techniques of manipulating DNA; processes involved in protein purification and analysis; microbial, plant, aquatic, medical and animal biotechnology; regulations and ethics of the biotechnology industry.

New Course! IVY BIOT 102 – SURVEY OF GOOD MANUFACTURING PRACTICES/ BIOTECH MANUFACTURING (7341F-7341S)
DOE Course code: 7341
Diploma / graduation requirement: Core 40, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course
Credit value and course length: Two Semesters—1 credit per semester.
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Must meet Dual Credit requirements to take this course.
Complete IVY BIOT 100 with a C or better
2.6 GPA minimum.
Assessment or participation expectations: Must also enroll in IVY BIOT 102 the following semester.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Dual Credit prerequisites for SURVEY OF GOOD MANUFACTURING PRACTICES, meet one of the following in each section:
PROGRAM READY WRITING:

- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

PROGRAM READY READING:

- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

MATH:

- KAQR 55; KASTEM 50
- Digital SAT Math 500
- Digital PSAT Math 490

All students receiving a grade of "C" or higher in this course will be eligible for college credit at any Indiana public institution. The student's grade in this course is weighted at Avon High School. The curriculum for this course is largely established by Ivy Tech.

Students will be introduced to the basics of manufacturing within the biotechnology industry, gaining an understanding of the work environment. Students will learn a brief history of the Food and Drug Administration, then will learn how the practices set forth by the FDA control the work environment and the behavior of workers in the field. This course prepares students for the most basic entry level position in this regulated industry.

Coming in 2028-2029! IVY BIOT 103 – SAFETY AND REGULATORY COMPLIANCE / BIOTECH MANUFACTURING
DOE Course code: 7341
Diploma / graduation requirement: Core 40, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course
Credit value and course length: Two Semesters—1 credit per semester.
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Must meet Dual Credit requirements to take this course.
Complete IVY BIOT 100 and IVY BIOT 102 with a C or better
2.6 GPA minimum.
Assessment or participation expectations: Must also enroll in IVY BIOT 105
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Dual Credit prerequisites for SAFETY AND REGULATORY COMPLIANCE, must have passed IVY BIO 100 and 102 with a C or better, and meet one of the following in each section:
PROGRAM READY WRITING:
- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

PROGRAM READY READING:
- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

MATH:
- KAQR 55; KASTEM 50
- Digital SAT Math 500
- Digital PSAT Math 490

All students receiving a grade of "C" or higher in this course will be eligible for college credit at any Indiana public institution. The student's grade in this course is weighted at Avon High School. The curriculum for this course is largely established by Ivy Tech.

Overview of lab safety procedures and precautions, biosafety, radiation safety, compliance standards of regulatory agencies. Emphasis will be placed on understanding the regulatory environment of pharmaceutical, diagnostic, and agricultural research and manufacturing. Students will be introduced to the agencies in the US responsible for regulatory oversight of biotechnology. Concepts of current good lab practices (cGLP), current good manufacturing practices (cGMP), standard operating procedures (SOP), and validation will be addressed as they apply to industry. This course will include an10 hour online OSHA certification program to get an OSHA 10 General Industry certification

Coming in 2028-2029! IVY BIOT 105 – SURVEY OF REGULATORY AFFAIRS / BIOTECH REGULATORY AFFAIRS (xxxx-xxxx)
DOE Course code: 7342
Diploma / graduation requirement: Core 40, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course
Credit value and course length: Two Semesters—1 credit per semester.

Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: **Must meet Dual Credit requirements to take this course.**
Complete IVY BIOT 100, IVY BIOT 102, IVY BIOT103 with a C or better
2.6 GPA minimum.
Assessment or participation expectations: Must also enroll in IVY BIOT 103
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

AP ENVIRONMENTAL SCIENCE (0975-0976)
DOE Course code: 3012
Diploma / graduation requirement: Core 40, AHD Life Science Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Chemistry I Honors or Physics I Honors (grade of C or higher), or Chemistry I (grade of B or higher), or ICP and Environmental Science (grade of B or higher in both.
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Environmental Science, Advanced Placement is a course based on content established by the College Board. Students enrolled in AP Environmental Science investigate the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. Unlike most other introductory-level college science courses, environmental science touches on a wide variety of fields, including geology, biology, chemistry, and geography. It also emphasizes the study of environmental issues from a sociological or political perspective. Both the course and the College Board exam have a heavy emphasis on problem solving and laboratory techniques.

ENVIRONMENTAL SCIENCE (0935-0936)
DOE Course code: 3010
Diploma / graduation requirement: Core 40, AHD Life Science Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Biology I **AND** Chemistry I or Physics I or ICP
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

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

ADVANCED SCIENCE: INTRODUCTION TO FORENSIC SCIENCE (0948)
DOE Course code: 3092
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Biology I and Chemistry I
Assessment or participation expectations: *Students who enroll should enjoy doing hands-on laboratory work through the use of lab kits*.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Forensic Science is a hands-on, lab-based science course that utilizes analytical problem-solving skills and techniques to solve crimes. In the pursuit of justice, students will scrutinize details of hair, fingerprints, blood, and fibers. Students will investigate handwriting, measure footprints, and analyze toxicology results. This course provides opportunities in DNA profiling for paternity and criminology. Students will determine gender, height, and ethnicity of victims and then ascertain if victims have been moved based on livor mortis and figure the time of death based on rigor mortis and algor mortis. This course focuses on applied science skills to make fact-based conclusions supported with evidence collected, tested, and analyzed.

INTEGRATED CHEMISTRY—PHYSICS (0943-0944)

DOE Course code: 3108
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Algebra I (may be taken concurrently)
Assessment or participation expectations: This course is for students who are not interested in pursuing a career that requires the study of chemistry or physics.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Integrated Chemistry-Physics introduces the fundamental concepts of scientific inquiry, the structure of matter, chemical reactions, forces, motion, and the interactions between energy and matter. This course will serve students as a laboratory-based introduction to possible future course work in chemistry or physics. The goal of the course is to produce scientifically literate citizens capable of using their knowledge of physical science to solve real-world problems and to make personal, social, and ethical decisions that have consequences beyond the classroom walls.

CHEMISTRY I (0951-0952)

DOE Course code: 3064
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10
Prerequisites or placement requirements: Geometry (any level) (may be taken concurrently) and grade of C- or higher in Biology (any level)
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

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

CHEMISTRY HONORS (0945-0946)

DOE Course code: 3064
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements:

- Grade 9 Prerequisites: Successful completion of Algebra 1 with a B- or better in 8th grade as well as a B- or higher in HA 8th grade Biology. Must be concurrently enrolled in Honors Geometry or higher. *Note: 9th grade students falling below these thresholds would enroll in Chemistry I*
- Grade 10, 11, 12 Prerequisites: Successful completion of Algebra 1 with a B- or Geometry Honors in 9th grade as well as a B- or higher in Honors Biology during 9th grade. Must be concurrently enrolled in Honors Geometry or Honors Algebra 2 or higher. *Note: 10th grade students falling below these thresholds should enroll in Chemistry 1 or ICP*

Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Students who enroll in *Chemistry Honors* are expected to continue in an honors/accelerated course of study to prepare them for enrollment in advanced science classes such as AP Biology, AP Environmental Science, Anatomy, Physics, and AP chemistry upon recommendation of teacher. Foundational algebraic skills and claim, evidence, and reasoning writing are a critical portion of this course.

Chemistry Honors is an in-depth course that allows students to synthesize useful models of the structure of matter and the mechanisms of its interactions through laboratory investigations of matter and its chemical reactions. Students have opportunities to: 1) gain an understanding of the history of chemistry; 2) explore the uses of chemistry in various careers; 3) explore the chemical questions and problems related to personal needs and social issues; and 4) learn and practice laboratory safety. Emphasis is placed on the process of learning skills needed for problem solving. While the minimum academic standards covered remain the same for *Chemistry Honors* and *Chemistry I*, there will be differences in depth, speed, and methodology. These differences are also reflected in the structure of the class, amount of independent work required, assignments to be completed, and textbooks being used.

The *Chemistry Honors* curriculum will allow students to effectively explain and justify chemical phenomena in the laboratory setting and make models and predictions about the chemical phenomena experienced. *Chemistry Honors* is recommended for students interested in higher level science courses to help guide them towards careers in science, math, engineering, technology, medicine, or other related fields.

ADVANCED SCIENCE: ORGANIC CHEMISTRY (0947)

DOE Course code: 3092
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Chemistry I Honors with a C- or higher or teacher recommendation
Assessment or participation expectations: Complex experiments that span many days require that students to be actively present in class to get the most out of this course, as labs are unable to be made up outside of class. Students with a strong foundation in honors/AP chemistry are encouraged to take this class.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This one-semester course is designed for students who have expressed an interest in a medical, pharmacy, chemical engineering, or any chemistry-based career. Organic chemistry is the study of carbon-containing compounds and their chemical and physical properties. This course studies organic compounds, nomenclature, intermolecular forces, spectroscopy techniques, resonance, and organic reaction mechanisms. This course is intended to prepare students for what they might see in college organic chemistry and beyond.

AP CHEMISTRY (0953-0954)

DOE Course code: 3060
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, Indiana College Core Eligible
Credit value and course length: Two Semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Chemistry I Honors completed with a grade of B or higher; non-Honors Chemistry students should first take Honors Chemistry before taking AP Chemistry
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

AP Chemistry is a course that follows College Board entrance examination guidelines for *Advanced Placement Chemistry*. It follows a syllabus that is an accepted Advanced Placement Curriculum and parallels the first semester (with many second semester topics) of the major state universities for students going into science related careers. This course greatly expands on honors chemistry material/lab practices and introduces new topics such as equilibrium, kinetics, electrochemistry, and thermodynamics. Strong work ethic and math skills are encouraged.

PHYSICS I (0961-0962)
DOE Course code: 3084
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Algebra I
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Physics I is a study of the following core topics: constant velocity; constant acceleration; forces; energy; linear momentum in one dimension; simple harmonic oscillating systems; mechanical waves and sound; simple circuit analysis. Students will develop an understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory, and by evaluating and communicating the results of those investigations through interactive labs and classroom activities.

PHYSICS I HONORS (0957-0958)
DOE Course code: 3084
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements:

- 10, 11, 12 should have a B or higher in Geometry OR B or higher in Algebra II
- 9th grade students should have completed HA Biology & Honors Geometry in grade 8

Assessment or participation expectations: Students who enroll in these classes are expected to continue in an honors/accelerated course of study to prepare them for enrollment in AP Physics. Math is a critical portion of this course.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Physics Honors aids students in synthesizing the fundamental concepts and principles concerning matter and energy through the laboratory study of mechanics, wave motion, heat, light, electricity, magnetism, electromagnetism, and atomic and nuclear physics. Primary emphasis is placed on mechanics and waves and on their physical principles by developing descriptive analyses and problem-solving skills. Students will also have opportunities to: 1) acquire an awareness of the history of physics and its role in the birth of technology; 2) explore the uses of its models, theories, and laws in various careers; and 3) explore physics questions and problems related to personal needs and social issues. While the minimum academic standards covered remain the same for *Physics I* and *Physics I Honors*, there will be differences in depth, speed, and methodology. These differences are also reflected in the structure of the class, amount of independent work required, assignments to be completed, and textbooks being used. Accelerated curriculum will be used while investigating possible answers to problems throughout the world. Laboratory and field investigations will be extensive, in-depth, and will be approached in an accelerated fashion. *Physics Honors* is recommended for students interested in careers in science, math, engineering, technology, medicine, or other related fields.

PHYSICS II (0963-0964)
DOE Course code: 3086
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Physics I or Physics I Honors with a grade of C- or higher; Algebra I
Assessment or participation expectations: Use of laboratory activities aimed at investigating physics questions and problems concerning personal questions and community issues related to physics are embedded within the course.

Physics II is an extended laboratory, field, and literature investigations-based course. Students enrolled in *Physics II* investigate physical phenomena and the theoretical models that are useful in understanding large and small interactions. Students extensively explore the unifying themes of physics, including such topics and applications of physics as: energy and momentum in two

dimensions; thermodynamics; fluids; electricity; simple and complex circuits; magnetism; electromagnetic induction; geometric optics; particle and wave nature of light; relativity; quantum mechanics; astronomy.

AP PHYSICS C: MECHANICS (0965-0966)
DOE Course code: 3089
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course, Indiana College Core Eligible
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Pre-Calculus or Calculus (may be taken concurrently) and completion of Physics I Honors (recommended grade of a B or higher)
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Mechanics is a title covering a course that follows College Board entrance examination guidelines for *Advanced Placement Physics*. Laws and principles in mechanics will be reformulated using calculus. The course will prepare students for taking the College Board Examination test, *Physics C: Mechanics*. It is also a college preparatory course intended for future science and/or engineering majors. The content covered in this course will mirror content discussed in the first semester of most college Physics courses.

AP PHYSICS C: ELECTRICITY & MAGNETISM (0977-0978)
DOE Course code: 3087
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course, STEM focused course, Indiana College Core Eligible
Credit value and course length: Two Semesters, one credit each semester
Eligible grade level(s): 12
Prerequisites or placement requirements: AP Physics C: Mechanics with a B+ or higher and AP Two semesters—1 credit per semester Calculus (may be taken concurrently) OR AP Physics C: Mechanics and AP Calculus (may be taken concurrently)
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Electricity and Magnetism is a title covering a course that follows College Board entrance examination guidelines for *Advanced Placement Physics*. Laws and principles in electricity, magnetism, and electromagnetism will be reformulated using calculus. The course will prepare students for taking the College Board Examination test, *Physics C: Electricity and Magnetism*. It is also a college preparatory course intended for future science and/or engineering majors. The content covered in this course will mirror content discussed in the second semester of most college Physics courses.

EARTH AND SPACE SCIENCE (0933-0934)
DOE Course code: 3044
Diploma / graduation requirement: Core 40, Indiana Diploma Additional Science Class (L), Indiana Diploma Enrollment Seal Science Course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: none
Assessment or participation expectations: (Offered in Online Education Center only)

Earth and Space Science provides a study of the earth's lithosphere, atmosphere, hydrosphere, and its celestial environment. This course emphasizes the study of energy at work in forming and modifying earth materials, landforms, 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. Students will also investigate the disciplines of astronomy, climatology, geology, meteorology, mineralogy, and oceanography.

All students receiving a grade of “C” or higher in this course will be eligible for college credit at any Indiana public institution. The student’s grade in this course is weighted at Avon High School. The curriculum for this course is largely established by Ivy Tech.

Overview of lab safety procedures and precautions, biosafety, radiation safety, compliance standards of regulatory agencies. Emphasis will be placed on understanding the regulatory environment of pharmaceutical, diagnostic, and agricultural research and manufacturing. Students will be introduced to the agencies in the US responsible for regulatory oversight of biotechnology. Concepts of current good lab practices (cGLP), current good manufacturing practices (cGMP), standard operating procedures (SOP), and validation will be addressed as they apply to industry. This course will include an10 hour online OSHA certification program to get an OSHA 10 General Industry certification

SOCIAL STUDIES COURSES

This chart is a suggested course of study. All final decisions should be made with the student's school counselor.

Grade Level	**Honors/AP/ Dual Credit Courses**	**Required Core 40 Courses**	**Available Electives**
9th	Honors Geography & History of the World	Geography & History of the World	Indiana Studies
10th	AP World History AP European History AP African American Studies		AP World History AP European History AP African American Studies Ethnic Studies Indiana Studies Current Events
11th	AP US History IVY American History 101/102 AP European History AP African American Studies AP Psychology	US History	AP European History AP African American Studies AP Psychology Psychology Ethnic Studies Indiana Studies Current Events
12th	AP Economics—Micro and Macro AP Government AP European History AP African American Studies AP Psychology	Economics Economics (Blended Learning) US Government US Government (Blended Learning) US Government: We the People	AP European History AP African American Studies AP Psychology Psychology Sociology Ethnic Studies Indiana Studies Current Events

Department Chair: Mr. Aaron Vogl

SOCIAL STUDIES COURSE DESCRIPTIONS

The **Indiana Academic Standards for Social Studies** provide standards for specific courses that focus on one of the five areas that make up the core of the social studies curriculum: History; Civics and Government; Geography; Economics; and Individuals, Society, and Culture (psychology, sociology, and anthropology). One of these content areas is the major focus of the course while the other areas play supporting roles or become completely integrated into the course content. Each high school course continues to develop skills for thinking, inquiry and research, and participation in a democratic society.

GEOGRAPHY AND HISTORY OF THE WORLD (1000-1001)
DOE Course code: 1570
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma World Perspective Course. **This course, Honors Geography and History of the World, or World History & Civilization is required for graduation.**
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9
Prerequisites or placement requirements: None

Students will develop and use elements of geography to better understand current events and issues facing the world today. These elements are: The World in Spatial Terms, Places and Regions, Physical Systems, Human Systems, Environment and Society, and the Uses of Geography. Students will demonstrate an understanding of these elements of geography in the context of world history.

HONORS GEOGRAPHY AND HISTORY OF THE WORLD (1002T-1003T)
DOE Course code: 1570
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma World Perspective Course. This course, Geography and History of the World, World History & Civilization is required for graduation.
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9
Prerequisites or placement requirements: Qualifying scores on various school administered assessment tests and Teacher Recommendation.

Honors Geography and History of the World is designed to assist students in the preparation for AP World History in the sophomore year. In addition, the course enables students to use geographical tools and skills and understand historic concepts and perspectives to deepen their understanding of major global themes including the origin and spread of world religions; exploration; conquest and imperialism; urbanization; and innovations and revolutions. Geographical and historical skills include forming research questions, acquiring information by investigating a variety of primary and secondary sources, organizing information by creating graphic text representations, analyzing information to determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. The historical geography concepts used to explore the global themes include change over time, origin, diffusion, physical systems, cultural landscapes, spatial distribution/patterns, and interaction/relationships. Students use the knowledge, tools, and skills obtained from this course in order to analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century.

AP WORLD HISTORY (1015-1016)
DOE Course code: 1612
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma World Perspective Course, Indiana College Core eligible
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10
Prerequisites or placement requirements: It is strongly recommended that students registering for this course have evidence of strong reading and writing and/or historical thinking skills through successful completion of HGHW, Eng. 9H, or Eng. 10H. If the listed classes were not taken, the student should have the recommendation of a Social Studies or English teacher.
Successful completion of Honors Geography and History of the World is recommended.
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*

The purpose of the *AP World History* course is to develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge used in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms the organizing principle for dealing with change and continuity from that point to the present. Specific themes mentioned above provide further organization to the course, along with consistent attention to contacts among societies that form the core of world history as a field of study. The course content is established by the College Board.

U.S. HISTORY (1021-1022)
DOE Course code: 1542
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma required US History course. This course, AP US History, or IVY American History is required for graduation.
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 11
Prerequisites or placement requirements: None

The course builds upon concepts developed in previous studies of American history and emphasizes national development from the late 19th Century to the 21st Century. After review of fundamental themes in the early development of the nation, students study the key events, persons, groups, and movements in the late 19th Century, the 20th Century, and the early 21st Century as they relate to life in Indiana and the United States.

IVY AMERICAN HISTORY HIST101/HIST102 (1021T-1022T)
DOE Course code: 1542
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma required US History course, Indiana College Core Eligible
Credit value and course length: Two semesters—1 high school credit per semester/3 Ivy Tech credits per semester
Eligible grade level(s): 11
Prerequisites or placement requirements: It is strongly recommended that students registering for this course have evidence of strong reading and writing and/or historical thinking skills through successful completion of HGHW, AP World/Euro, Eng. 9H, or Eng. 10H. If the listed classes were not taken, the student should have the recommendation of a Social Studies or English teacher and take the appropriate IVY Tech placement exam.
Assessment or participation expectations: The expectation is for students who choose these courses to do so for DUAL CREDIT for potential of 3 college credits per semester. Students need to apply each semester with Ivy Tech.

Meet one of the following:
PROGRAM READY WRITING:

- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

PROGRAM READY READING:

- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

All students receiving a grade of "C" or higher in this course will be eligible for college credit at any Indiana public institution. The student's grade in this course is weighted at Avon High School. The curriculum for this course is largely established by Ivy Tech. Major themes and development, in addition to significant people and events of American History, from the 15th to the 21st century

will be studied. This course is designed and taught as an entry level college course with an emphasis on test grades. Students considering this class are encouraged to be strong readers and writers. This class includes a significant amount of classroom discussion and critical thinking.

AP U.S. HISTORY (1023-1024)
DOE Course code: 1562
Diploma / graduation requirement: Core 40, AHD Course, Indiana Diploma US History Course, Indiana College Core Eligible, elective
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 11
Prerequisites or placement requirements: None; however, successful completion of AP World History, AP European History, or AP African American Studies is highly recommended.
Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*

This course utilizes all the Indiana State Standards for U.S History, building upon concepts developed in previous studies of American history and emphasizing national development from the late 19th Century, the 20th Century, and the early 21st Century. The course content is established by the College Board.

Additionally, this course is designed to prepare students to take for college credit the Advanced Placement U. S. History Exam. The demands of this course for academic excellence are equivalent to a full-year introductory college course. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. This course demands that students be able to draw from a reservoir of systematic factual knowledge in order to exercise analytic skills intelligently. Intensive reading and writing will be a fundamental aspect of this course.

PSYCHOLOGY (1031)
DOE Course code: 1532
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma, Indiana Diploma Enrollment Honors Seal Social Studies course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: None

This course provides students the opportunity to explore psychology as the scientific study of mental processes and behavior. Areas of study include the scientific method, development, cognition, personality, assessment and mental health, and the socio-cultural and biological bases of behavior.

AP PSYCHOLOGY (1033-1034)
DOE Course code:
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma, Indiana Diploma Enrollment Honors Seal Social Studies course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements:

- Prerequisite for 11, 12: None—successful completion of an honors or AP science course is recommended.
- Prerequisite for grade 10: Completed Honors Geography and History of the World with a B or higher. Enrolled in or completed Honors Chemistry maintaining a B or higher,

Assessment or participation expectations: *The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.*

Advanced Placement Psychology is a course based on content established by the College Board. This course is designed to introduce students to the systematic and scientific study of behavior and mental processes. Topics include history of and approaches towards human behavior, research methods, biological bases of behavior, sensation and perception, states of consciousness, learning and cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders, and social psychology. This course places significant emphasis on the physiological aspects of the human brain and its functions, so a strong understanding of this physiology is required for successful completion of the course.

U.S. GOVERNMENT (1041)
DOE Course code: 1540
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma US Government Course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 12
Prerequisites or placement requirements: None
Assessment or participation expectations: This course, Blended Government, We the People, or AP Government is required for graduation.

This course provides a framework for understanding the purposes, principles, and practices of American government as established by the United States Constitution. Students are expected to understand their rights and responsibilities as citizens and how to exercise these rights and responsibilities in local, state, and national government.

U.S. GOVERNMENT—BLENDED LEARNING (1041B)
DOE Course code: 1540
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma US Government Course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 12
Prerequisites or placement requirements: 2.75 GPA
Assessment or participation expectations: This course, regular U.S. Government, We the People, or AP Government is required for graduation.

Blended Learning U.S. Government is a unique classroom experience, utilizing a traditional classroom and virtual learning environment that focuses on student independent discovery and learning. Students will spend time in the classroom with the teacher on required attendance days. On non-required attendance days, students will be responsible for course materials using the learning management system outside of the classroom. Students will be exempt from coming to school during that period on non-required days. Students participating in the blended learning course are expected to maintain a 75%, falling below a 75% will result in class exemption being revoked. Students in the blended learning class must possess a reliable laptop due to the online nature of the course. This course provides a framework for understanding the purposes, principles, and practices of American government as established by the United States Constitution. Students are expected to understand their rights and responsibilities as citizens and how to exercise these rights and responsibilities in local, state, and national government.

WE THE PEOPLE (1045)
DOE Course code: 1540
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma US Government Course
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 12
Prerequisites or placement requirements: IVY U.S. History, AP U.S. History, or U.S. History with an A or Teacher Recommendation
Assessment or participation expectations: This course, regular U.S. Government, Blended Government, or AP Government is required for graduation.

We the People is a one-semester, college-level course where students will study the U.S Government foundations and political theories with relationship to present-day laws. Students in this course will participate in the We the People competition, which is a simulated Congressional Hearing. This course satisfies the Indiana U.S Government requirement. This course will be offered only in the Fall Semester.

AP GOVERNMENT (1043-1044)
DOE Course code: 1560
Diploma / graduation requirement: Core 40, AHD course, Indiana Diploma US Government Course, Indiana College Core Eligible
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 12
Prerequisites or placement requirements: None—successful completion of AP U.S. History is recommended.

Assessment or participation expectations: This course, regular U.S. Government, We the People, or Blended Government is required for graduation.
The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. Underpinning the required content of the course are several big ideas that allow students to create meaningful connections among concepts throughout the course. Students will also engage in skill development that requires them to read and interpret data, make comparisons and applications, and develop evidence-based arguments.

ETHNIC STUDIES (1004)
DOE Course code: 1516
Diploma / graduation requirement: Core 40, AHD course, Elective, Indiana Diploma
Credit value and course length: One semester—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: None

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.

SOCIOLOGY (1051)
DOE Course code: 1534
Diploma / graduation requirement: Core 40, AHD course, Elective, Indiana Diploma, Indiana Diploma Enrollment Honors Seal Social Studies course
Credit value and course length: One semester—1 credit
Eligible grade level(s): 12
Prerequisites or placement requirements: None

Students study human social behavior from a group perspective, including recurring patterns of attitudes and actions and how these patterns vary across time, among cultures, and in social groups. Students examine society, group behavior, and social structures, as well as the impact of cultural change on society, through research methods using scientific inquiry.

ECONOMICS (1061)
DOE Course code: 1514
Diploma / graduation requirement: Core 40, AHD course, Elective, Indiana Diploma Enrollment Honors Seal Social Studies course, elective, Personal Finance (2029 and beyond)
Credit value and course length: One semester—2 credit(s)
Eligible grade level(s): 12
Prerequisites or placement requirements: None
Assessment or participation expectations: This course, Blended Economics, or AP Economics, is required for graduation for the class of 2028. Personal Finance is required for students in the class of 2029 and beyond. This course covers that requirement.

This semester long course provides students with a strong foundation in economics while equipping them with the practical financial skills needed for lifelong success. During the first unit, students will explore fundamental microeconomic concepts including scarcity, opportunity cost, supply and demand, and prices. The second half of unit 1 will focus on macroeconomic concepts like economic indicators, the business cycle, fiscal and monetary policy. Building on this foundation, the rest of the course will focus on personal financial literacy and responsible financial decision making. Students will develop the knowledge and skills necessary to manage their finances confidently as they enter adulthood. Through real world application, simulations, and project-based learning, students will be able to create and maintain budgets, understand banking services, evaluate credit and debt, explore saving and investment strategies, and develop plans for long-term financial success.

Objectives: Students will be able to do the following by the end of the class: Discuss the basic economic problems faced by consumers in American society, explain fundamental economic concepts and apply economic reasoning to real-world issues, develop and maintain a realistic personal budget based on financial goals, demonstrate responsible banking, saving, and credit management practices, evaluate investment options and understand the principles to build long-term wealth, and to apply financial decision making skills to support lifetime financial security and responsible citizenship.

Topics of Study: Unit 1 will focus on basic economic thinking. This unit is divided into microeconomic and macroeconomic concepts. Unit 2 will center around personal financial literacy and budgeting; students will work to create short-term and long-term financial goals and work to learn the basics of budgeting and creating a financial plan. Unit 3 will focus on banking, investments, and debt. Students will learn about how credit affects purchasing power, how credit scores are calculated, and how interest rates affect overall cost. Unit 4 focuses on investments and saving for the future and the power of compound interest. Our final unit will be focused on lifetime financial security. Topics will include career and retirement planning, insurance, taxes, charitable giving, and estate planning basics.

ECONOMICS—BLENDED LEARNING (1061B)

DOE Course code: 1514
Diploma / graduation requirement: Core 40, AHD course, Elective, Indiana Diploma Enrollment Honors Seal Social Studies course, elective, Personal Finance (2029 and beyond)
Credit value and course length: One semester—1 credit
Eligible grade level(s): 12
Prerequisites or placement requirements: 2.75 GPA
Assessment or participation expectations: This course, regular Economics or AP Economics is required for graduation for the class of 2028. Personal Finance is required for students in the class of 2029 and beyond. This course covers that requirement.

Blended Learning Economics is a unique classroom experience, utilizing a traditional classroom and virtual learning environment that focuses on student independent discovery and learning. Students will spend time in the classroom with the teacher on required attendance days. On non-required attendance days, students will be responsible for course materials using the learning management system outside of the classroom. Students will be exempt from coming to school during that period on non-required days. Students participating in the blended learning course are expected to maintain a 75%, falling below a 75% will result in class exemption being revoked. Students in the blended learning class must possess a reliable laptop due to the online nature of the course.

This course examines the allocation of scarce resources, and the economic reasoning used by people as consumers, producers, savers, investors, workers, voters, and as government agencies. Key elements include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization, and trade. This class will be offered either first or seventh period of the day.

AP ECONOMICS (1064-1062)

DOE Course code: 1564, 1566
Diploma / graduation requirement: Core 40, AHD course, Elective, Indiana Diploma Enrollment Honors Seal Social Studies course, Indiana College Core Eligible,
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 12
Prerequisites or placement requirements: None—successful completion of AP US History or an advanced mathematics course is recommended.
Assessment or participation expectations: This course, regular Economics or Blended Economics, is required for graduation. Personal Finance is required for students in the class of 2029 and beyond. This course covers that requirement.
The expectation is that students taking this course will take the AP Microeconomics and the AP Macroeconomics exam at the end of the school year. This course is unique in that it will prepare students to take two AP exams.

One Semester: AP Microeconomics (1064) must also enroll in Macroeconomics 1062
This portion of the course provides students with the content for the *AP Microeconomics* exam as established by the College Board. Topics include basic economic concepts, the nature and functions of product markets, factor markets, efficiency, equity, and the role of government. Students will rely upon their ability to analyze the concepts of microeconomics and then to logically connect those concepts to real-world economic applications faced by individuals and businesses.

One Semester: AP Macroeconomics (1062) must also enroll in Microeconomics 1064
This portion of the course provides students with the content for the *AP Macroeconomics* exam as established by the College Board. Topics include basic economic concepts, measurement of economic performance, national income and price determination, economic growth and international finance, exchange rates, and balance of payments. Students will rely upon their ability to analyze the characteristics of macroeconomics and then to logically connect those characteristics to real-world economic applications. Significant emphasis will be placed on the policies and actions taken by the government and agents of the government to establish a stable and productive economy.

AP EUROPEAN HISTORY (1018-1019)
DOE Course code: 1556
Diploma / graduation requirement: Core 40, AHD course, Elective, Indiana Diploma, Indiana Diploma Enrollment Honors Seal Social Studies course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop 1) an understanding of some of the principal themes in modern European history; 2) an ability to analyze historical evidence and historical interpretation; and 3) an ability to express historical understanding in writing.

AP AFRICAN AMERICAN STUDIES (1049-1050)
DOE Course code: 0590
Diploma / graduation requirement: Core 40, AHD course, Elective, Indiana Diploma
Credit value and course length: Full Year course: Two semesters – 2 credits
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: It is strongly recommended that students registering for this course have evidence of strong reading and writing and/or historical thinking skills through successful completion of HGHW, Eng. 9H, or Eng. 10H. If the listed classes were not taken, the student should have the recommendation of a Social Studies or English teacher.

Assessment or participation expectations: The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.

AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences and the diversity of Black communities in the United States through over 400 years of contributions. Students will explore a blend of history, literature, the arts, political science, geography, and science. Prominent themes include enslavement and resistance; Civil War and Reconstruction; African Americans' urbanization experiences; the development of the modern civil rights movement and its aftermath; African Americans' cultural celebration through the arts; and the thought and leadership of influential figures including but not limited to: Frederick Douglass, Booker T. Washington, Ida B. Wells-Barnett, W.E.B. Du Bois, Marcus Garvey, Martin Luther King Jr., and Malcolm X.

CURRENT PROBLEMS, ISSUES, AND EVENTS (1010)
DOE Course code: 1512
Diploma / graduation requirement: Core 40, AHD course, Elective, Indiana Diploma
Credit value and course length: One semester – 1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: *It is recommended that students with a sincere desire to read, analyze, and actively discuss current news take this course.

In this discussion-based course, students will study and involve themselves in the events of the world, as they unfold. *Current Events* provides students with the opportunity to investigate and inquire into the significant problems that affect local, national, and global issues. Students develop competence in (1) recognizing cause and effect relationships, (2) recognizing fallacies in reasoning, biases, and propaganda devices, and (3) stating and testing the contemporary historical significance of current events.

INDIANA STUDIES (1027)
DOE Course code: 1518
Diploma / graduation requirement: Core 40, AHD course, Elective, Indiana Diploma Enrollment Honors Seal Social Studies course
Credit value and course length: One semester—1 credit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: Offered in Online Education Center only

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

SPECIAL EDUCATION: RESOURCE DEPARTMENT COURSES

- Students with an Individual Education Plan (IEP) are offered a continuum of services and courses designed to meet their unique learning needs. Individualized programming decisions are made for students at their case conference to ensure all high school coursework is completed in the least restrictive environment that meets the needs of the student.
- Students entering high school beginning in the 2019-2020 school year or after and identified via case conference committee decision as pursuing a Certificate of Completion course of study will be required to earn a minimum total 40 credits/applied units. It is expected that these requirements are met through enrollment in a combination of general education courses for credit, modified general education courses in which non-credit applied units are earned, and special education courses in which non-credit applied units are earned.

Credited Course(s) General Diploma Course of Study Only

Algebra I – 2 semesters (0733G-0734G)
English 9 (1703G-1704G)
English 10 (1715G-1716G)
English 11 (1727G-1728G)
English 12 (1731G-1732G)

Courses offered in even years:
US Government (1041G)
World History & Civilization (1013G)

Course offered in odd years:
US History (1021G-1022G)

Other Credited Courses

Business Math – 2 semesters (0238-0239)
Peer Tutoring – Up to 2 semesters (1300)
Academic Coaching (0703-0704)
Resource Study Hall

Applied Unit Courses (Certificate of Completion Course of Study)

Applied Government (1041A)
Applied World History (1013A)
Applied U.S. History (1021A-1022A)
Applied Biology (0921A-0922A)
Applied Earth & Space Science (0933A-0934A)
Applied Algebra (0733A-0734A)
Applied Dance (0852-0853)
Applied Geometry (0745A-0746A)
Applied Personal Financial Responsibilities (0211A)
Applied English 9 (1703A-1704A)
Applied English 10 (1715A-1716A)
Applied English 11 (1727A-1728A)
Applied English 12 (1731A-1732A)
Applied Prep for College and Careers (0240A)
Applied Digital Apps and Responsibilities (0247A)
Applied Adult Roles and Responsibilities (0580A)
Applied WBL Capstone Multiple Pathways (5974A)
Applied Health and Wellness (1101A)
Applied Nutrition and Wellness (0521A)
Applied 3-D Art (0110A)
Applied Intro 2-D Art (0111A)
Applied Interpersonal Relationships (0501A)
Applied Current Health Issues (3508A)
Applied Career Information and Exploration (1213A)
Applied Career Exploration Internship (0530A)
Applied Physical Education I (1122A)
Applied Physical Education II (1123A)
Applied Theatre (1761-1762)

Assistant Principal Special Education: Mr. Robb King
Department Chair Special Education: Mrs. Mallory Hawkins

SPECIAL EDUCATION-RESOURCE PROGRAM

ACADEMIC COACHING (0703-0704)
DOE Course code:0500
Diploma / graduation requirement: Counts as an Elective for all diplomas
Credit value and course length: One or two semesters – I credit per semester (8 credits max)
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Teacher of Record recommendation

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

UNITED STATES GOVERNMENT (1041G) *offered in even years only*
DOE Course code: 540
Diploma / graduation requirement: General Diploma
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: None

This course is an adapted *US Government* curriculum that meets state standards for credit. This course provides a framework for understanding the purposes, principles, and practices of American Government as established by the United States Constitution. Students are expected to understand their rights and responsibilities in local, state, and national government. This course is appropriate for students pursuing a General Diploma course of study.

UNITED STATES HISTORY (1021G-1022G) *offered in 2027-2028*
DOE Course code: 1542
Diploma / graduation requirement: General Diploma
Credit value and course length: Two semesters – 1 credit per semester
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: None

This course is an adapted *US History* curriculum that meets state standards for credit. *United States History* is a two-semester course that builds upon concepts developed in previous studies of US History and emphasizes national development from the late nineteenth century into the twenty-first century. After reviewing fundamental themes in the early development of the nation, students are expected to identify and review significant events, persons, and movements in the early development of the nation. The course then gives major emphasis to the interaction of key events, people, and political, economic, social, and cultural influences in national developments from the late nineteenth century through the present as they relate to life in Indiana and the United States. Students are expected to trace and analyze chronological periods and examine significant themes and concepts in US History. Students develop historical thinking and research skills and use primary and secondary sources to explore topical issues and to understand the cause for changes in the nation over time. This course is not appropriate for a student pursuing a Core 40 diploma.

WORLD HISTORY AND CIVILIZATION (1013G) *offered in even years only*
DOE Course code: 1548
Diploma / graduation requirement: General Diploma, Indiana Diploma World Perspective Course
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: None

This course is an adapted *Modern World and Civilization* curriculum that meets state standards for credit. This course emphasizes key events and developments in the past that influenced peoples and places in subsequent eras. Students are expected to practice skills and processes of historical thinking and inquiry that involve chronological thinking, comprehension, analysis and interpretation, research, issue-analysis, and decision-making. This course is appropriate for a student pursuing a General Diploma Course of Study.

ALGEBRA I (0733G-0734G)
DOE Course code: 2520
Diploma / graduation requirement: General Diploma
Credit value and course length: Two semesters – 1 credit per semester
Eligible grade level(s): 9, 10
Prerequisites or placement requirements:

Algebra I is made up of 5 strands: Real Numbers and Expressions; Functions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics. These critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions.

ENGLISH 9 (1703G–1704G)
DOE Course code: 1002
Diploma / graduation requirement: General Diploma, Core 40
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9
Prerequisites or placement requirements: None

English 9 offers an integrated study of literature, composition, and oral communications. Students write for various audiences and purposes while strengthening skills in paragraph and multi-paragraph writing. Writing assignments encompass multiple types of writing including expository essays, persuasive essays, literary analysis, and technical writing assignments. The formal study of grammar, usage, spelling, and language mechanics is integrated into this study of writing. Structured vocabulary assignments provide opportunities for students to increase their fluency in both reading and writing.

ENGLISH 10 (1715G–1716G)
DOE Course code: 1004
Diploma / graduation requirement: General Diploma, Core 40, Indiana Diploma additional English credit
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10
Prerequisites or placement requirements: Successful Completion of English 9

English 10 continues to make full use of many of the activities and skills of English 9 by offering an integrated study of literature, composition, and oral communications. Literature instruction focuses on opportunities to respond critically, reflectively, and imaginatively to literature and recognize the relevance of literature in today's world. The focus for the year is culture. Students will consider where they stand in a diverse world. Students write for various audiences and purposes. Students identify and employ various elements of effective writing in well-organized and grammatically correct descriptive, expository, argumentative, and narrative writings. The formal study of grammar and language mechanics is integrated into this study of writing. Frequent vocabulary practice allows the students to increase their fluency in both reading and writing. Students will also work with technology to create digital presentations.

ENGLISH 11 (1727G–1728G)
DOE Course code: 1006
Diploma / graduation requirement: Core 40, General Diploma
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 11
Prerequisites or placement requirements: Successful Completion of English 10

English 11 continues an integrated study of literature, composition, and oral communications where the students can further develop their use of language as a tool for learning and thinking and as a source of pleasure. In *English 11*, students move from predominately analyzing and using the elements of written language to making judgments based on those analyses. All students use a grammatically correct style to produce a variety of writing forms including persuasive writing, synthesis and analysis of information from a variety of sources, completing complex forms, describing procedures, giving directions, and using graphic forms

to support a thesis. Structured vocabulary assignments allow the students to increase their fluency in both reading and writing. The formal study of grammar, usage, spelling, and language mechanics will be integrated into the study of writing.

ENGLISH 12 (1731G-1732G)
DOE Course code: 1008
Diploma / graduation requirement: Core 40, General Diploma
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 12
Prerequisites or placement requirements: Successful Completion of English 11

English 12 focuses on improving students' communication and analytical skills to prepare them for college, career, and citizenship. Three activities will consume each 70-minute lesson: reading, writing, and discussion. Particular attention is paid to discerning how each student learns best. Students will read a variety of texts to build cultural literacy and vocabulary and to expand their interests in the world around them. A variety of writing projects, combined with targeted writing craft lessons, will help students become comfortable writers.

BUSINESS MATH (0238-0239)
DOE Course code: 4512
Diploma / graduation requirement: Fulfills a Mathematics requirement for the General Diploma or Alternate Diploma only
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Algebra I

Business Math provides solid understanding of application of money management skills, navigating industry specific technology and apps, establishing and managing budgets, and maintaining inventory for products and other necessary skills that provides the foundation for students interested in careers in business related fields and everyday life.

PEER TUTORING (1300)
DOE Course code: 0520
Diploma / graduation requirement: Counts as an elective for all diplomas, General, Core 40, AHD Course
Credit value and course length: One or two semesters—1 credit per semester
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Selection Process/Teacher Approval
Assessment or participation expectations: The course provides opportunities for the students taking the course to develop a basic understanding of individual differences and to explore career options in the field of education. *Peer Tutoring* experiences are preplanned by the cooperating teacher. It is conducted under the supervision of a licensed teacher.

Through helping relationships, their studies, and personal growth and development, this course provides high school students with an organized, exploratory experience to assist their peer students in a variety of educational settings for grades 9–12+. The course provides a balance of class work relating to the development and use of: (1) listening skills, (2) communication skills, (3) facilitation skills, (4) decision-making skills, and (5) teaching strategies as they related to working with students with learning needs.

APPLIED ALGEBRA (0733A-0734A)
DOE Course code: 2520
Diploma / graduation requirement: Fulfills a Math requirement for the Certificate of Completion
Credit value and course length: Two Semesters—1 unit per semester
Eligible grade level(s): 9, 10
Prerequisites or placement requirements: None

Applied Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of 4 strands: Numbers Sense, Expressions and Computation; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; and Quadratic and Exponential Equations and Functions. The strands are further developed by focusing on the content of the Algebra content connectors.

APPLIED BIOLOGY (0921A-0922A)
DOE Course code: 3024
Diploma / graduation requirement: Fulfills as a science requirement for the Certificate of Completion
Credit value and course length: Two semesters – 1 unit per semester
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None

Biology I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three-dimensional understanding of Biology topics. Disciplinary Core Ideas for this course include From Molecules to Organisms, Ecosystems, Heredity and Biological Evolution. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

APPLIED PERSONAL FINANCIAL RESPONSIBILITIES (0211A)
DOE Course code: 4540
Diploma / graduation requirement: When offered as applied: 2 units maximum; counts as an employability applied unit for alternate diploma
Credit value and course length: One or two Semesters— 1 unit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Applied Algebra

Applied Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build and apply skills in financial literacy and responsible decision making.

APPLIED ENGLISH 9 (1703A-1704A), APPLIED ENGLISH 10 (1715A-1716A)
DOE Course code: 1002, 1004
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diploma
Credit value and course length: Two Semesters - 1 unit per semester
Eligible grade level(s):
Prerequisites: None
Prerequisites or placement requirements: Teacher Placement

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

APPLIED ENGLISH 11 (1727A-1728A), APPLIED ENGLISH 12 (1731A-1732A)
DOE Course code: 1006, 1008
Diploma / graduation requirement: Fulfills an English/Language Arts requirement for all diploma
Credit value and course length: Two Semesters – 1 unit per semester
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Teacher Placement

English 11 and 12 is an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare, and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade-appropriate multimedia presentations and access online information.

APPLIED PREP FOR COLLEGE AND CAREERS (0240A)
DOE Course code: 5394
Diploma / graduation requirement: 2 units maximum; counts as an employability applied unit for alternate diploma
Credit value and course length: One Semester - 1 unit
Eligible grade level(s): 9, 10
Prerequisites or placement requirements: None

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

APPLIED DIGITAL APPS AND RESPONSIBILITIES (0247A)
DOE Course code: 4528
Diploma / graduation requirement: 4 units maximum; counts as an employability applied unit for alternate diploma
Credit value and course length: One Semester – 1 unit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Applied Prep for College and Career

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

APPLIED ADULT ROLES AND RESPONSIBILITIES (0580A)
DOE Course code: 5330
Diploma / graduation requirement: 2 units maximum; counts as an employability applied unit for alternate diploma
Credit value and course length: One Semester—1 unit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Applied Adult Roles and Responsibilities is recommended for all students as life foundations and academic enrichment for students with interest in family and community services, personal and family finance, and similar areas. This course builds knowledge, skills, attitudes, and behaviors that students will need as they complete high school and prepare to take the next steps toward adulthood in today's society. The course includes the study of interpersonal standards, lifespan roles and responsibilities, individual and family resource management, and financial responsibility and resources. A project or community-based approach that utilizes problem solving skills, communication, leadership, self-determination skills, management processes, and fundamentals to career and community membership success.

APPLIED HEALTH AND WELLNESS (1101A)
DOE Course code: 3506
Diploma / graduation requirement: Counts as an elective or Health & Wellness requirement for the Certificate of Completion
Credit value and course length: One Semester—1 unit
Eligible grade level(s): 9
Prerequisites or placement requirements: None

Applied Health & Wellness is a course based on Indiana's Academic Standards for Health & Wellness and provides the basis to help students adopt and maintain healthy behaviors. Through a variety of instructional strategies, students practice the development of functional health information; determine personal values that support health behaviors; develop group norms that value a healthy

lifestyle; and develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. Priority areas include promoting personal health and wellness, physical activity, and healthy eating; promoting safety and preventing unintentional injury and violence; promoting mental and emotional health, a tobacco-free lifestyle and an alcohol- and other drug-free lifestyle; and promoting human development and family health.

APPLIED NUTRITION & WELLNESS (0521A)
DOE Course code: 5342
Diploma / graduation requirement: 2 units maximum; counts as an employability applied unit for alternate diploma
Credit value and course length: One Semester—1 unit
Eligible grade level(s): 9, 10
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Applied Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment. This is a nutrition class that introduces students to 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. Food preparation experiences are a required component. Direct, concrete mathematics and language arts proficiencies will be applied.

APPLIED INTERPERSONAL RELATIONSHIPS (0501A)
DOE Course code: 5364
Diploma / graduation requirement: 2 units maximum; counts as an employability applied unit for alternate diploma
Credit value and course length: One Semester— 1 unit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None

Applied Interpersonal Relationships is a course that addresses knowledge and skills needed for positive and productive relationships in career, community, and family settings. Major course topics include communication skills; leadership, self-determination, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships.

APPLIED CURRENT HEALTH ISSUES (3508A)
DOE Course code: 3508
Diploma / graduation requirement: Counts as an elective or Health & Wellness requirement for the Certificate of Completion
Credit value and course length: One Semester - 1 unit
Eligible grade level(s): 10, 11, 12+
Prerequisites or placement requirements: Applied Interpersonal Relationships

Applied Current Health Issues is an elective course focusing on specific health issues and/or emerging trends in health and wellness. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

APPLIED INTRO TO 2-D ART (0111A)
DOE Course code: 4000
Diploma / graduation requirement: Elective
Credit value and course length: One Semester – 1 unit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Applied Intro to 2-D Art is designed to give students a foundation in basic art skills, vocabulary, and art history. The primary focus of this course is the basic elements of 2-D art including drawing and painting. Throughout the course the students will gain knowledge of basic art history and art production.

APPLIED CAREER INFORMATION AND EXPLORATION (1213A)
DOE Course code: 0522
Diploma / graduation requirement: Counts as an Employability Requirement, Capstone Course or elective for the Certificate of Completion
Credit value and course length: Two Semesters – 1 unit per semester (4 Units Max)
Eligible grade level(s): 9, 10
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Applied Career Information and Exploration provides students with opportunities to learn about themselves including interests, strengths and needed supports while exploring various traditional and nontraditional occupations and careers. Students develop skills in: (1) employability, (2) understanding the economic process, and (3) career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities in a school-based work experience.

APPLIED WORK BASED LEARNING CAPSTONE MULTIPLE PATHWAYS (5974A)
DOE Course code:5974
Diploma / graduation requirement: 6 units maximum; counts as an employability applied unit, capstone course, or elective for alternate diploma
Credit value and course length: One Semester – 1 unit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Applied Prep for College and Careers & Applied Digital Apps and Responsibilities

Applied Work Based Learning Capstone is an instructional strategy that prepares students for transition to employment in a career interest area. This strategy builds individual students' skills and knowledge within the area of interest. A training plan is developed by the student, teacher, and workplace mentor to guide the student's work-based learning experiences and assist in evaluating progress and performance.

APPLIED CAREER EXPLORATION INTERNSHIP (0530A)
DOE Course code: 0530
Diploma / graduation requirement: 4 units maximum; counts as an employability applied unit for alternate diploma
Credit value and course length: Semester Participation Varies per Instructor
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Work Study Coordinator Approval
Assessment or participation expectations: *Participation is Instructor Approved*

The *Applied Career Exploration Internship* course is an unpaid work experience in the school setting or community that provides for workplace learning in an area of student career interest. 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.

APPLIED PHYSICAL EDUCATION I (1122A)
DOE Course code: 3542
Diploma / graduation requirement: Counts as a Physical Education requirement for the Certificate of Completion
Credit value and course length: One semester – 1 unit. Applied Units: 2 units maximum
Eligible grade level(s): 9, 10
Prerequisites or placement requirements: None

Applied Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum that provides students with opportunities to actively participate in team sports that are within the framework of lifetime physical activities and fitness.

APPLIED PHYSICAL EDUCATION II (1123A)
DOE Course code: 3544
Diploma / graduation requirement: Counts as a Physical Education requirement for the Certificate of Completion
Credit value and course length: One semester – 1 unit. Applied Units: 2 units maximum
Eligible grade level(s): 11, 12+
Prerequisites or placement requirements: None

Applied Physical Education II focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum that provides students with opportunities to actively participate in a variety of physical activities and fitness.

APPLIED EARTH AND SPACE SCIENCE I (0933A-0934A)
DOE Course code: 3044
Diploma / graduation requirement: Counts as an elective or science requirement for the Certificate of Completion
Credit value and course length: Two semesters – 1 unit per semester. Applied Units: 4 units maximum
Eligible grade level(s): 9, 10
Prerequisites or placement requirements: None

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

APPLIED UNITED STATES HISTORY (1021A-1022A)
DOE Course code: 1542
Diploma / graduation requirement: Counts as a Social Studies Requirement or elective for the Certificate of Completion
Credit value and course length: Two semesters – 1 unit per semester. Applied Units: 4 units maximum
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: None

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

APPLIED GEOMETRY (0745A-0746A)
DOE Course code: 2532
Diploma / graduation requirement: Fulfills a Mathematics course requirement for the Certificate of Completion
Credit value and course length: Two semesters – 1 unit per semester. Applied Units: 4 units maximum
Eligible grade level(s): 9, 12
Prerequisites or placement requirements: None

Applied Geometry provides experiences that deepen the understanding of shapes and their properties. Investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric figures include the study of angles, lines, planes, congruent and similar triangles, polygons, circles, and spatial drawings.

APPLIED 3-D ART (0110A)
DOE Course code: 4002
Diploma / graduation requirement: Counts as a directed elective or elective for all diplomas
Credit value and course length: One semester – 1 unit

Eligible grade level(s): 9, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Applied 3-D Art is a course designed to give students a foundation of art skills. The primary focuses of this course are the elements and principles of art and basic sculpting techniques. Students will explore problem solving techniques while working with a variety of media. Students will gain knowledge in the areas of art history, art criticism, aesthetics, and art production. The combination of these four areas will allow the students to gain a well-rounded foundation and appreciation of art.

APPLIED US GOVERNMENT (1041A)
DOE Course code: 1540
Diploma / graduation requirement: Counts as a social studies requirement or elective for the Certificate of Completion
Credit value and course length: One semester – 1 unit. Applied units: 2 units maximum
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: None

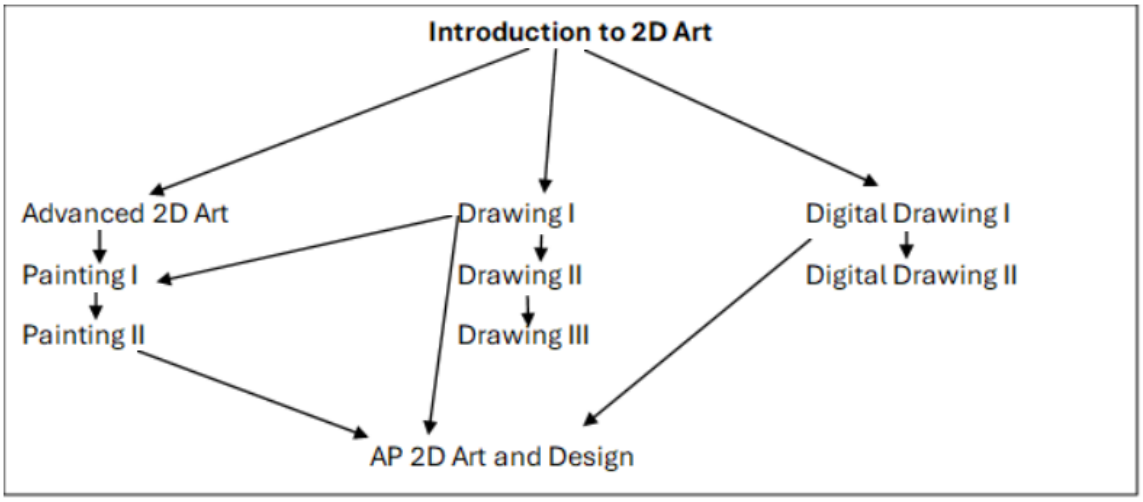
Applied United States Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States. Responsible and effective participation of citizens is stressed. Students understand the nature of citizenship, politics, and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

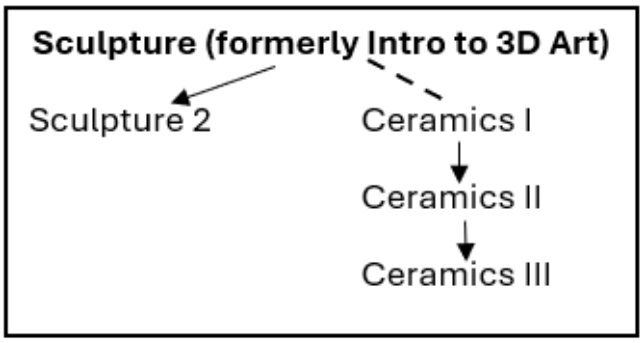
APPLIED WORLD HISTORY & CIVILIZATION (1013A)
DOE Course code:1548
Diploma / graduation requirement: Counts as an elective for all diplomas. Indiana Diploma World Perspective Course
Credit value and course length: One semester – 1 Unit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: None

World History and Civilization emphasizes events and developments in the past that greatly affected large numbers of people across broad areas and that significantly influenced peoples and places in subsequent eras. Key events related to people and places as well as transcultural interaction and exchanges are examined in this course.

VISUAL ARTS COURSES

Scan code for more information on the course offerings of the Art Department:

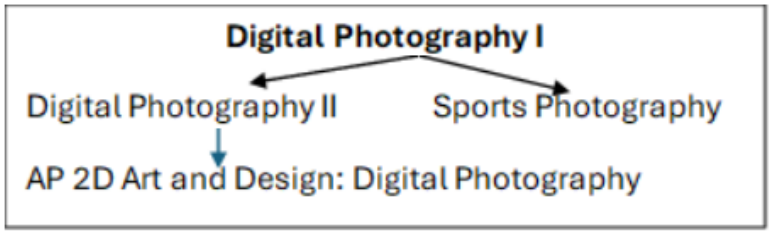




Fiber Arts

Art History and Appreciation

IU Intro to Art History (dual credit)



Digital Design

↓

Digital Design II

↓

AP 2D Art and Design: Digital Design

Department Chair: Mrs. Sarah Fowler

VISUAL ARTS COURSE DESCRIPTIONS

Avon High School is pleased to offer a state-approved pathway in Civic Arts. The Civic Arts pathway is earned through successful completion of required coursework **AND** community-based experiences including internships and community service that demonstrate employability skills. An e-portfolio documents the completion of all elements of the Civic Arts pathway. Students interested in the Civic Arts pathway should work closely with their counselor.

Civic Arts Local Pathways – ALL Cohorts: Classes of 2028, 2029, 2030, and 2031				
Civic Arts Pathway	**Example Careers**	**Required Coursework I**	**Required Coursework II**	**Required Coursework III**
Visual Arts 2-D Path	Art Teacher/2-D Business Owner	Intro to 2-D **AND** Advanced 2-D	Principles of Teaching **OR** Principles of Business Management	Drawing I **AND** Drawing II **OR** Drawing I **AND** Painting I **OR** AP 2-D Art and Design
Visual Arts Digital Path	Art Teacher/Digital Designer/Business Owner	Digital Design **AND** Digital Design II	Principles of Teaching **OR** Principles of Business Management	AP 2-D Art and Design: Digital Design
Visual Arts 3-D Path	Art Teacher/3-D Business Owner	Sculpture I (formerly Intro to 3-D) **AND** Ceramics I	Principles of Teaching **OR** Principles of Business Management	Ceramics II **AND** Sculpture II

INTRODUCTION TO TWO-DIMENSIONAL ART (0111)
DOE Course code: 4000
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: none
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This course is designed to give students a foundation of art skills needed to take advanced art courses. The primary focuses of this course are the elements and principles of art, basic drawing skills, and painting techniques. Students will explore problem solving techniques while working with a variety of media. Throughout the semester students will gain knowledge in the areas of art history, art criticism, aesthetics, and art production. The combination of these four areas will allow the students to gain a well-rounded foundation and appreciation of art.

ADVANCED TWO-DIMENSIONAL ART (0135)
DOE Course code: 4004
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Intro to 2-D Art with a C- or higher
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Students in this course will expand on the sequential learning experiences that encompass art history, art criticism, aesthetics, and production skills learned in *Intro to 2-D*. Students will explore idea development, creative use of media and processes, major ideas and issues in the arts and create a portfolio of quality works. This course will encourage students to consider major questions and definitions in art; the search for and development of ideas; the search for personal themes; and the connection between the art world and the art student. Drawing, painting, printmaking, collage, and mixed media are some of the materials that will be explored at an advanced level. This course is suggested for students planning on taking *AP 2-D Art and Design*.

SCULPTURE (0110)
DOE Course code: 4002
Diploma / graduation requirement: Core 40 and AHD course

Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This course is designed to give students a foundation of art skills needed to take advanced Three-Dimensional art courses. The primary focuses of this course are the elements and principles of art and basic sculpting techniques. Students will explore problem solving techniques while working with a variety of media. Throughout these semesters, students will gain knowledge in the areas of art history, art criticism, aesthetics, and art production. The combination of these four areas will allow the students to gain a well-rounded foundation and appreciation of art.

SCULPTURE II (0177)
DOE Course code: 4044
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Successful completion of Sculpture 1 with a C- or higher (Ceramics I recommended)
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This studio-based course builds on a working vocabulary and knowledge of tools, equipment and fabrication techniques explored in *Sculpture*. Larger scale projects delving into sculptural processes and techniques will be introduced.
Students use their advanced design skills to complete high-quality sculptures. The elements of art and principles of design will be incorporated into students' work. Students will engage in sequential learning experiences which encompass art history, art criticism, aesthetics, and production leading to the creation of portfolio-quality works.

DRAWING I (0123)
DOE Course code: 4060
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Intro to 2-D, C- or higher
Assessment or participation expectations: Students will be expected to maintain a sketchbook throughout the course for practice work and homework assignments.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This class builds on the skills learned in *Introduction to Two-Dimensional Art*. Students will be introduced to a variety of drawing media and techniques with a primary focus on realistic observational drawings. Using graphite pencil, charcoal, pen and ink, and marker, students will learn a variety of perception techniques, drawing styles, and methods of adding value. Students will work with a variety of subject matter, and the rules of composition are incorporated into each of the projects.

DRAWING II (0147)
DOE Course code: 4060
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Drawing I, C- or higher
Assessment or participation expectations: Students will be expected to maintain a sketchbook throughout the course for practice work and homework assignments.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This course will expand on media and techniques introduced in Drawing I while also introducing new media, processes and concepts. Drawing II will focus heavily on portrait and figure drawing for the first quarter and progress on to more conceptual themes in the second quarter. Contemporary and historical artworks and artists will be discussed throughout the semester.

DRAWING III (0149)
DOE Course code: 4060
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Drawing II, C- or higher
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This course is intended to build upon skills learned in *Drawing I* and *Drawing II*. We will focus on contemporary topics in drawing and continue to hone in on technical skills. We will work in new media and revisit ones from previous classes. Projects will have focuses on specific subject matter to start, and we will end the semester with artistic research and art making from that research.

IU ART HISTORY ARTH 100 INTRO TO ART HISTORY (DUAL CREDIT) 4260SD
DOE Course code: 4260
Diploma / graduation requirement: Core 40 and AHD Course
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: n/a; subject to Indiana University requirements
Assessment or participation expectations: DUAL CREDIT through Indiana University. Students will need to apply at the beginning of the course.

Dual Credit Art History is designed to foster students' understanding of works of art and those who create them. Similar to a collegiate course in art history, students will focus on historical aspects of art from Prehistoric to Contemporary. Students should possess a strong interest in history and the arts, as well as the ability to read and process large amounts of text. It is highly recommended for students who are serious about continuing their art studies and all college-bound students.

ART HISTORY & APPRECIATION (0119)
DOE Course code: 4024
Diploma / graduation requirement: Core 40 and AHD Course
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: None

Art Appreciation serves as an introductory course that examines historical art movements and current day topics such as animation and museum studies. Students will practice observing artwork closely, discuss visual elements of art, and analyze the meaning, intent, and context behind artworks and art movements. Class discussion, hands-on activities, and short research projects will be used to help students establish a deeper understanding and appreciation for historical artworks as well as artwork that is currently being created. Students will have the opportunity to engage in basic, creative exercises to cultivate appreciation for the artistic process. By the end of the course, students are well prepared to continue their Art History studies through enrollment in dual credit Art History course(s) offered at Avon High School.

VISUAL COMMUNICATION I (0148)
DOE Course code: 4086
Diploma / graduation requirement: Core 40, AHD course, Communication Focused Course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This course is designed to explore the various visual forms of communication. Emphasis will be placed on utilizing the design process to accomplish design problems that will communicate a message to viewer. Students will create through a variety of approaches including, but not limited to, drawing, painting, collage, and the use and will get a brief introduction to the application of creative software (Photoshop and Illustrator) for art production. Students must utilize the design process and consider the relationship of artist and audience in developing artwork. Artwork will be designed to communicate a message in an artistically enticing yet

effective format. Learning will highlight the use of typography, illustration, and image editing to address a visual communication problem.

DIGITAL DESIGN (0120)
DOE Course code: 4082
Diploma / graduation requirement: Core 40 and AHD Course Graduation Pathway: Graphic Design
Credit value and course length: One semester - 1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: This class relies heavily on students' progressive mastery of computer design software.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Digital Design is an introductory art course that combines digital art application with introductory art techniques focused toward learning and applying the elements and principles of art. Students in *Digital Design* engage in sequential learning experiences that encompass the design process, basic drawing techniques, creative software application, art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. The course involves multi-media approaches to design, digitized imagery, illustration, typography, and other forms of print design. Students reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration through related careers.

New Course! DIGITAL DESIGN II (0151)
DOE Course code: 4086
Diploma / graduation requirement: Core 40, AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Digital Design, C- or higher
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This course is designed to explore the various visual forms of communication, with a focus toward the art of graphic design during production. Emphasis will be placed on utilizing the design process to accomplish design problems. Students will create through a variety of approaches including, but not limited to, drawing, painting, collage, and the use and application of creative software (Photoshop and Illustrator) for art production. Students must utilize the design process and consider the relationship of artist and audience in developing artwork. Artwork will be designed to communicate a message in an artistically enticing yet effective format. Learning will highlight the use of typography, illustration, and image editing to address a visual communication problem. Former experience in drawing and an understanding of the elements and principles of design along with the desire to work digitally are required.

DIGITAL DRAWING (0146)
DOE Course code: 4060
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One semester – 1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: C- or better in 2D Art
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22
Digital Drawing will explore 21st century media and teach students the skills and tools to be successful using classical art techniques with modern tools. This class will use digital media to build upon skills and techniques acquired in *Drawing I*. Students will be introduced to several digital drawing and illustration art platforms. Through these platforms, students will become skilled in creating artworks focusing on conceptual themes. A variety of methods to manipulate the digital media will be used in conjunction with an expansion of previously taught drawing skills and techniques which will result in a portfolio of quality work.

DIGITAL DRAWING II (0145)
DOE Course code: 4060
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One semester – 1 credit

Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: C- or better in Digital Drawing I
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Digital Drawing II will continue to explore 21st century media and teach students the skills and tools to be successful using classical art techniques with modern tools. This class will use digital media to build upon skills and techniques acquired in *Digital Drawing I*. Students will be introduced to several digital drawing and illustration art platforms. Through these platforms, students will become skilled in creating artworks focusing on conceptual themes. A variety of methods to manipulate the digital media will be used in conjunction with an expansion of previously taught drawing skills and techniques which will result in a portfolio of quality work.

AP 2-D ART AND DESIGN: DIGITAL DESIGN (0137-0138)
DOE Course code: 4050
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: Two-semesters—1 credit per semester
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Digital Design and Visual Communication I
Assessment or participation expectations: *The expectation is that students taking this course are highly self-motivated and passionate about Digital Design work and will turn in their portfolio for AP review at the end of the school year.*
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

AP Digital Design is a course based on the content established by the College Board. Portfolios are designed for students who are seriously interested in the practical experience of art. AP Digital Design is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. Students must be prepared to work many hours on each project in order to complete the College Board requirement of AP quality artworks for the year.

This portfolio is intended to address a very broad interpretation of design issues. This type design involves purposeful decision-making about how to use the elements and principles of art in an integrative way.
Students will use Adobe Creative Cloud Software for this class, which is only available at school, unless students choose to purchase Adobe Creative Cloud for their own device (this is not an expectation), therefore, it is imperative that students are present in class in order to complete their work.

AP 2-D ART AND DESIGN (0115-0116)
DOE Course code: 4050
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 12
Prerequisites or placement requirements: Art Dept. Approval (Intro to 2D Art & Drawing I recommended)
Assessment or participation expectations: *The expectation is that students taking this course will submit the appropriate portfolio materials for review to the College Board at the end of the school year.*
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This course is intended for students who are highly motivated to create their own creative artwork. It is strongly suggested that students have 2 or more semesters of 2-D art classes at the high school before taking *AP 2-D Art and Design* as a senior. Out of class work time is also required of students. The content of the course is designed by College Board to be a college-level art class. Students will have the option to choose between two different portfolio types, Drawing and 2-D Design. Each portfolio type has specific requirements. Over the course of the school year students will create 12-15 pieces of artwork and will write about each artwork created. Summer portfolio work is also required of students the summer before beginning the course.

PAINTING I (0124)
DOE Course code: 4064
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Drawing I or Advanced 2-D Art, C- or higher

Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

This class introduces students to three different kinds of painting media, acrylic paint, watercolor, and oil paint. We will create paintings with different subject matter that lend themselves to each media. We will have a large focus on color mixing and color perception as painting relies heavily on color.

PAINTING II (0125)
DOE Course code: 4064
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Painting I, C- or higher
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

In *Painting II* students will spend larger amounts of time on their paintings, giving them an opportunity to dive into technique and application of color. We will work with still life, portraiture, and abstraction over the course of the semester. Students will get to explore color theory throughout the semester while working on three intensive paintings.

CERAMICS I (0172)
DOE Course code: 4040
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: None, recommend Sculpture
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Ceramics I is an entry level, proficiency based, studio class. Students will learn basic hand-building ceramic techniques and create clay projects using those techniques. Students will also get an introduction to and get to try the pottery wheel. Students will use creative problem-solving skills to formulate ideas for each project and will need to meet specific requirements for each required project. Students will learn entry level glazing techniques to create a functional, decorated surface on their ceramic projects. Emphasis will be placed upon developing skills and the proper use of techniques and tools/equipment. No previous ceramic or art knowledge are needed to excel in this course. This is a messy course, and students must be prepared to get dirty every day.

CERAMICS II (0174)
DOE Course code: 4040
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Ceramics I, C- or higher
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Ceramics II is a proficiency-based studio class that will build on the skills/techniques learned in *Ceramics I*.
Students will use creative problem-solving skills to combine various hand-building ceramic techniques from *Ceramics I* and further challenge their skills for each required clay project. Students will get more opportunities to create projects on the pottery wheel and learn and practice new wheel throw techniques to continue to get more comfortable on the pottery wheel. Students will learn more advanced glazing and decorating techniques and strive to make more professional looking finished ceramic projects. Emphasis will still be placed upon developing skills and the proper use of techniques and tools/equipment. This is a messy course, and students must be prepared to get dirty every day.

CERAMICS III (0176)
DOE Course code: 4040
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Ceramics II, C- or higher, and instructor approval

Assessment or participation expectations: This is a messy course, and students must be prepared to get dirty every day.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Ceramics III is a proficiency-based studio class that will build on the skills/techniques learned in Ceramics I and II. In Ceramics III, an emphasis is placed on creating professional looking ceramic pieces and seeking out ceramic techniques and inspiration from ceramic artists. Students will have much more freedom to explore different techniques and project ideas and should always be looking to improve and expand their ceramic skill set. Because of the more independent atmosphere of the course, self-motivation will be very important. This is a messy course, and students must be prepared to get dirty every day.

FIBER ARTS (0182)
DOE Course code: 4046
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation requirements: Fine motor skills appreciated
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Students in *Fiber Arts* engage in learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of a variety of fiber-based projects. Students will create fiber art works utilizing processes such as weaving, macramé, dyeing, yarn works, and stitchery. They reflect upon and refine their work, explore cultural and historical connections, and incorporate presentational skills.

DIGITAL PHOTOGRAPHY I (0164)
DOE Course code: 4062
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: Students interested in photography must understand that they will be required to complete shooting assignments outside of school while under a time constraint.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Note: an 8GB flash drive is strongly recommended for this course

This course is the study of photography and its role in our lives. Students will begin developing a photographic portfolio, which includes concentrated subject matter. The course emphasizes the correct use of a digital SLR camera, composition, aesthetics, introductory art terms, the elements and principles of art, creative editing software, (Photoshop, camera RAW) printing techniques, and the professional presentation of developed prints. Students can rent a camera from the school or can use their own digital SLR.

DIGITAL PHOTOGRAPHY II (0165)
DOE Course code: 4062
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Digital Photography I, C- or higher
Assessment or participation expectations: Students must complete shooting assignments outside of school while under a time constraint.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

Note: an 8GB flash drive is strongly recommended for this course

This is the second level of digital photography. Students will continue to develop and refine their photo portfolio. The course emphasizes composition, digital processes, traditional and creative printing techniques, and professional presentation of processes prints. Students can rent a camera from the school or use their own digital SLR.

SPORTS PHOTOGRAPHY (0170)
DOE Course code: 4062
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: One Semester—1 credit
Eligible grade level(s): 10, 11, 12
Prerequisites or placement requirements: Digital Photography I, C- or higher, Students will be required to attend on average 1 sporting event outside of school hours per week.
Assessment or participation expectations: Students should have strong time management skills and reliable transportation.
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

In this course students will work alongside the athletic department to provide photographic coverage of a wide variety of home athletic events. Students will use the camera and photoshop skills learned in digital photography 1 to focus on sports photography coverage, study the work of professional sports photographers, and apply lessons learned to their own photos. Students will manage an online gallery of images and develop a portfolio of images showcasing their skills over a variety of sporting events.

AP 2-D ART AND DESIGN: DIGITAL PHOTOGRAPHY (0121-0122)
DOE Course code: 4050
Diploma / graduation requirement: Core 40 and AHD course
Credit value and course length: Two-semesters—1 credit per semester
Eligible grade level(s): 11, 12
Prerequisites or placement requirements: Art Dept. Approval (Photography I & II strongly recommended)
Assessment or participation expectations: *The expectation is that students taking this course will turn in their portfolio for AP review at the end of the school year.*
Student material fee applies. Please see the chart at the beginning of the Program of Studies beginning on Page 22

AP Digital Photography is a course based on the content established by the College Board. Portfolios are designed for students who are seriously interested in the practical experience of art. AP Digital Photography is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. Students must be prepared to work many hours outside of class on each project in order to complete the College Board requirement of **at least 30 AP quality artworks for the year**.

This portfolio is intended to address a very broad interpretation of photographic design issues. This type of photography involves purposeful decision-making about how to use the elements and principles of art in an integrative way. For this portfolio, students are asked to demonstrate proficiency in camera work and post processing. Students will be able to rent a camera from the school for this course. However, students will not have access to this camera at all times; it will be shared with other AHS students. Therefore, it is strongly recommended that students have their own DSLR camera which would provide unlimited access to taking photos.

WORLD LANGUAGE COURSES

This table shows a suggested course of study. All final decisions should be discussed with the student's school counselor.

FRENCH, GERMAN, JAPANESE, AND SPANISH®
Level 1
Level 2^
Level 3
Level 4
AP Language and Culture
Students must progress through the language levels in order. Students who begin language study in high school may only progress through four levels of a language. Please see the specific language descriptions in the following narrative section in order to understand prerequisites and expectations for language progression. Students are not permitted to complete online courses (for example: Edmentum or Indiana Online) for first time credit for language progression.

*French and German students wishing to proceed beyond level III will have a conference with their teacher to determine if they should enroll in level IV or AP.

® A student who changes world languages after grade 10 is still able to complete the courses needed for an AHD as long as the student has successfully completed Levels 1 and 2 of one language with a grade of C- or above. The student must then complete two additional years of a world language a grade of C- or above to receive the AHD.
^Only freshmen who have successfully completed Level 1 of Spanish in middle school may begin the Spanish Level 2 course at AHS. All other freshmen may begin at Level 1 of any language offered.
*** Native or heritage speakers of the languages offered may test into advanced levels. Students should first speak to their counselors about various options.**

Department Chair: Mr. Chad Seals

WORLD LANGUAGE COURSE DESCRIPTIONS

World Language courses encompass five goal areas that explain the reasons for their study: Communication, Cultures, Connections, Comparisons, and Communities as defined below:

Communication, or communicating in languages other than English, is at the heart of second language study, whether the communication takes place face-to-face, in writing, or across centuries through reading of literature. Through the study of other languages, students gain a knowledge and understanding of the cultures that use that language; in fact, students cannot truly master the language until they have also mastered the cultural contexts in which the language occurs. Learning languages provides connections to additional bodies of knowledge that are unavailable to monolingual English speakers. Through comparisons and contrasts with the language studied, students develop greater insight into their own language and culture and realize that multiple ways of the world exist. Together, these elements enable the student of languages to participate in multilingual communities at home and around the world in a variety of contexts and in culturally appropriate ways (Standards for World Language Learning in the 21st Century; 2006, p. 31).

World Language study is intended to be completed as a sequence. At the end of this sequence, students will be able to listen to and read various selections in the target language combine the language with other content areas to enhance the use of the target language, utilize the target language in multiple situations and understand the essence of language usage in various cultural contexts.

FRENCH I (0411-0412), GERMAN I (0421-0422), JAPANESE I (0461-0462), SPANISH I (0431-0432)
DOE Course code: 2020, 2040, 2060, 2120
Diploma / graduation requirement: Core 40 elective, AHD courses, New Indiana Diploma Electives, Enrollment Seal World Language course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11 or 12
Prerequisites or placement requirements: No prerequisites first semester
Assessment or participation expectations: Passing grade in previous semester is required to continue. Students earning a grade of D+ or lower will be reviewed for progression to the next semester. Alternative placement due to previous non-high school study, world exchange student status, or native/heritage language may be granted based upon performance tests and department chair/liaison principal approval.

Level 1 World Language courses based *on Indiana's Academic Standards for World Languages and ACTFL National Performance Guidelines*; introduce students to effective strategies for beginning World Language learning including introduction to various aspects of the target language cultures. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of interpretive skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products, and perspectives of the cultures being studied; recognize basic routine practices of the target language culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of language and culture to the greater community.

FRENCH II (0413-0414), GERMAN II (0423-0424), JAPANESE II (0463-0464), SPANISH II (0433-0434)
DOE Course code: 2022, 2042, 2062, 2122
Diploma / graduation requirement: Core 40 elective, AHD courses, New Indiana Diploma Electives, Enrollment Seal world language course
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11 or 12
Prerequisites or placement requirements: For first semester: passing grade in both semesters of Level I study
Assessment or participation expectations: Passing grade in previous semester is required to continue. Students earning a grade of D+ or lower will be reviewed for progression to the next semester. Alternative placement due to previous non-high school study, world exchange student status, or native/heritage language may be granted based upon performance tests and department chair/liaison principal approval.

Level 2 World Language courses based *on Indiana's Academic Standards for World Languages and ACTFL National Performance Guidelines*; build upon effective strategies for world language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages in appropriate formats with greater independence. This course also emphasizes the development of interpretive skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by sharing prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products, and perspectives of the target culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of language and culture to the greater community.

FRENCH III (0415-0416), GERMAN III (0425-0426), JAPANESE III (0465-0466), SPANISH III (0435-0436)

DOE Course code: 2024, 2044, 2064, 2124
Diploma / graduation requirement: Core 40 elective, AHD courses, Indiana Diploma World Perspective Course, Indiana Diploma Electives, Enrollment Seal
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11 or 12
Prerequisites or placement requirements: For first semester: passing grade in both semesters of Level II study
Assessment or participation expectations: Passing grade in previous semester is required to continue. Students earning a grade of D+ or lower will be reviewed for progression to the next semester. Alternative placement due to previous non-high school study, world exchange student status, or native/heritage language may be granted based upon performance tests and department chair/liaison principal approval.

Level 3 World Language courses based *on Indiana's Academic Standards for World Languages and ACTFL National Performance Guidelines*; build upon effective strategies for world language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of interpretive skills, such as utilizing cognates, synonyms, and antonyms to derive meaning from written and oral information and comprehending detailed written or oral directions. Students will address the presentational mode by sharing student-created material on a variety of topics, as well as by reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of the target cultures through recognition of the interrelation of their practices, products, and perspectives; discussion of significant events of the target culture; and investigation of elements that shape cultural identity therein. This course further emphasizes making connections across content areas as well as the application of language and culture to the greater community.

IVY SPAN 101/102 SPANISH III HONORS (2152-2153)

DOE Course code: 2124
Diploma / graduation requirement: Core 40 elective, AHD courses, Indiana Diploma World Perspective Course, Indiana Diploma Electives, Enrollment Seal, Indiana College Core Eligible
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 10**,** 11 or 12
Prerequisites or placement requirements: For first semester: passing grade of B or better in both semesters of Level I and II study. Cumulative GPA of 2.6.
Assessment or participation expectations: Passing grade in previous semester is required to continue. Students must earn a C or better to receive college credit.

Dual Credit prerequisites meet one of the following in each section:
PROGRAM READY WRITING:

- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;

- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

PROGRAM READY READING:

- Knowledge Assessment (KA): Read/Write 70;
- SAT 2016 and forward: Evidence-Based Read/Write 460;
- PSAT 10 (2016 and forward) & PSAT/NMSQT: Evidence-Based Read/Write 430;
- Current High School Transcript, cumulative, weighted OR unweighted GPA: 2.6 on a 4-point scale with Core 40 for high school juniors and seniors (ASOM 1.5).

All students receiving a grade of "C" or higher in this course will be eligible for college credit at any Indiana public institution. The student's grade in this course is weighted at Avon High School. The curriculum for this course is largely established by Ivy Tech.

This takes the place of standard Spanish III. This fast-paced course will review content from Spanish I and Spanish II and introduce more advanced grammatical structures and cultural knowledge with a focus on the main skills of reading, writing, speaking, and listening. The Ivy Tech-based curriculum focuses on the following:

1. Master basic Spanish vocabulary and grammar.
2. Speak in Spanish about a variety of everyday topics, such as the holidays and the family, the home and household chores, the activities of a daily routine, college and academic subjects, professions and the workplace, and ordering food and drink in a restaurant.
3. Speak about familiar topics using the present and the past tenses in both formal and informal situations with enough accuracy to be understood by a native speaker.
4. Paraphrase material in Spanish.
5. Describe and express ideas in writing with coherence.
6. Read and discuss Spanish articles and texts with understanding.
7. Demonstrate knowledge, understanding and appreciation of the Spanish language and cultures of the Spanish-speaking world.

FRENCH IV (0417-0418), GERMAN IV (0427-0428), SPANISH IV (0437-0438)

DOE Course code: 2026, 2046, 2066, 2126
Diploma / graduation requirement: Core 40 elective, AHD courses, Indiana Diploma World Perspective Course, Indiana Diploma Electives, Enrollment Seal
Credit value and course length: Two semesters—1 credit per semester
Eligible grade level(s): 9, 10, 11 or 12
Prerequisites or placement requirements: For first semester: passing grade in both semesters of Level III study
Assessment or participation expectations: Passing grade in previous semester is required to continue. Students earning a grade of D+ or lower will be reviewed for progression to the next semester. Alternative placement due to previous non-high school study, world exchange student status, or native/heritage language may be granted based upon performance tests and department chair/liaison principal approval.

Level 4 World Language courses based on *Indiana's Academic Standards for World Languages and ACTFL National Performance Guidelines*; provide a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Additionally, students will continue to develop understanding of the target cultures through explanation of factors that influence their practices, products, and perspectives, reflecting upon and comparing systems of the target culture and the students' own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native speakers.

AP FRENCH LANGUAGE (0471-0472), AP GERMAN LANGUAGE (0473-0474), AP SPANISH LANGUAGE (0475-0476)

DOE Course code:2032, 2052, 2074, 2132

Diploma / graduation requirement: Core 40 elective, AHD courses, Indiana Diploma World Perspective Course, Indiana Diploma Electives, Enrollment Seal

Indiana College Core Eligible for AP French and AP Spanish

Credit value and course length: Two semesters—1 credit per semester

Eligible grade level(s): 9, 10, 11 or 12

Prerequisites or placement requirements: For first semester: passing grade in both semesters of Level III study

Assessment or participation expectations: Passing grade in previous semester is required to continue. Students earning a grade of D+ or lower will be reviewed for progression to the next semester. Alternative placement due to previous non-high school study, world exchange student status, or native/heritage language may be granted based upon performance tests and department native/heritage language may be granted based upon performance tests and department chair/liaison principal approval.

The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.

AP World Language courses follow the College Board examination guidelines in preparation for Advanced Placement Language. AP World Language courses are intended to be roughly equivalent both in content and difficulty to advanced level college World Language courses. The exam presupposes extensive language development leading to this additional year of advanced course work. The courses will emphasize the use of the language for active communication. Instructional content will reflect interests shared by the students and the teachers. The courses will help prepare students to demonstrate interpersonal, interpretive, and presentational communication, as well as the aforementioned goal areas for all World Language levels.

LANGUAGE FOR HERITAGE SPEAKERS I (LHS I) (Spanish only) * (0401/0402)

DOE Course code: 2190

Diploma / graduation requirement: Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma, Counts as a directed elective or elective for all diplomas

Credit value and course length: 2 semester course, 1 credit per semester

Eligible grade level(s): 9, 10, 11 or 12

Prerequisites or placement requirements: placement as determined at local level

Assessment or participation expectations: Passing grade in previous semester is required to continue. Students earning a grade of D+ or lower will be reviewed for progression to the next semester. Alternative placement due to previous non-high school study, world exchange student status, or native/heritage language may be granted based upon performance tests and department native/heritage language may be granted based upon performance tests and department chair/liaison principal approval.

Language for Heritage Speakers I is a course designed for heritage speakers of Spanish who have demonstrated some degree of oral proficiency. The purpose of this course is to enable Heritage Language Learners to increase proficiency and biliteracy in their native or heritage language by providing opportunities to improve reading and listening comprehension, as well as writing and grammar skills. Special attention will be given to grammar and vocabulary of the standard language, as well as to the importance of biculturalism and bilingualism in the United States today. This course can take the place of any level of Spanish, most likely *Spanish I*, *Spanish II*, or *Spanish III*. Placement of students and development of the course curriculum is dependent upon the population of students enrolled in this course.

*Heritage and native speakers of Spanish should speak to their counselors about this course upon enrollment.
They can also reach out to the course's teachers- Ms. Steppe and Ms. Santillan.

NON-DEPARTMENTAL COURSES

LIBRARY MEDIA (1780)
DOE Course code: 1082
Diploma / graduation requirement: Counts as an elective for all diplomas
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: Online Application required from the AHS Library (Link available under "Academic Programming" on School Counseling webpage). Students should have successfully completed prior English courses with C- or better and should maintain a passing grade in their current English course.

Library Media is the study and application of procedures based on library science theory. Students examine the role of library and technology in the current Information Age. Students use electronic resources for specific research needs and will read books and complete projects related to the books read. Students may take this course for credit once.

INTRODUCTION TO PUBLIC SERVICE (3524)
DOE Course code: 3524
Diploma / graduation requirement: Core 40, AHD elective, Enlistment and Service Seal
Credit value and course length: One semester—1 credit
Eligible grade level(s): 9, 10, 11, 12
Prerequisites or placement requirements: None
Assessment or participation expectations: Only offered in the Online Education Center

Introduction to Public Service offers a comprehensive overview of public service, focusing on both military and non-military avenues. Students will explore the multifaceted benefits of military service, including personal and professional development, leadership skills, and community impact. Historical overview of U.S. military history and the history of non-military public service will provide context for the evolution of public service and its significance in shaping national identity. Key components of this course include an introduction to military customs and courtesies, instruction on ethical behavior and decision-making, development of leadership and analytical reasoning skills, an introduction to career paths (and their entrance requirements) available within public service, incentives for public service, and the significance of public service.

NON-DISCRIMINATION STATEMENT

Avon Community School Corporation does not discriminate on the basis of race, religion, color, sex, national origin, age, disability, sexual orientation, genetic information, or veteran status in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. Avon Community School Corporation Career and Technical Education department does not discriminate in enrollment or access to any of the programs available at the high school or career/technical education center. The lack of English language skills shall not be a barrier to admission or participation in the activities and programs. The Avon Community School Corporation also does not discriminate in its hiring or employment practices.

This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator(s).

Students
Mrs. Susie Hurt
Director of Special Education
7203 E. US Highway 36
Avon, IN 46123
(317) 544-6000

Staff, Visitors, Parents, Community Members
Mrs. Kristin Williams
Director of Human Resources
7203 E. US Highway 36
Avon, IN 46123
(317) 544-6000