

AVON HIGH SCHOOL



2021-2022 Program of Studies

Grades 9-12

Classes of 2022, 2023, 2024, 2025

Policies

Procedures

Course Descriptions

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, and General.



Students in the Class of 2022 earn a diploma through:	Students in the Classes of 2023, 2024, & 2025 earn a diploma through an Indiana Graduation Pathway:
<ul style="list-style-type: none"> • Completion of a minimum of 47* credits for the appropriate diploma <p>AND</p> <ul style="list-style-type: none"> • Passing the Grade 10 ISTEP + Graduation Qualifying Tests in English and Math ^ <p>^Students in the Class of 2022 may elect to pursue a Graduation Pathway as an alternative to passing both portions of the Grade 10 ISTEP+ Graduation Qualifying Tests in English and Math; state criteria requires participation in test administrations of ISTEP+ prior to opting in to Graduation Pathways.</p>	<ul style="list-style-type: none"> • Completion of a minimum of 47* credits for the appropriate diploma (see pages 4-5) <p>AND</p> <ul style="list-style-type: none"> • Learn and demonstrate employability skills through completion of a project-based learning, service based learning, or work-based learning experience (see page 6) <p>AND</p> <ul style="list-style-type: none"> • Demonstrate post-secondary competencies (see pages 6-7) by meeting criteria for one of the following: <ul style="list-style-type: none"> 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 with an Individual Education Plans (IEP) may elect for a credit plan under House Enrolled Act 1519

**Class of 2022 using Graduation Pathway criteria for CTE Concentrator Credits is 6 credits in a high school career sequence

TABLE OF CONTENTS

DIPLOMA COMPLETION AND GRADUATION	4
INDIANA DIPLOMA DESIGNATIONS.....	4
EMPLOYABILITY SKILLS.....	6
POST-SECONDARY COMPETENCIES.....	6
STATEWIDE TESTING FOR INDIANA STUDENTS – Class of 2022	8
REPEATING A COURSE.....	9
GUIDELINES FOR COLLEGE-BOUND STUDENTS	9
NAVIANCE STUDENT	9
COLLEGE READINESS AND ADMISSIONS EXAMINATIONS	9
COLLEGE CREDIT OPPORTUNITIES	10
CHANGES IN PRE-ENROLLED CLASS SELECTIONS	10
COURSE CHANGE REQUESTS DURING THE SCHOOL YEAR	10
EARLY AND MID-TERM GRADUATES	10
GRADE POINT AVERAGE (GPA).....	11
COURSES TAKEN IN THE MIDDLE SCHOOL FOR HIGH SCHOOL CREDIT	11
PHYSICAL EDUCATION CREDITS – WAIVERS AND CREDIT LIMITS	12
CLASS RANK (VALEDICTORIAN & SALUTATORIAN).....	12
COURSE WEIGHTING.....	12
ACADEMIC LETTERS	13
INDIANA HIGH SCHOOL ATHLETIC ASSOCIATION ACADEMIC REGULATIONS	14
NAIA & NCAA DIVISION I/II ELIGIBILITY	14
HARRIS ACADEMY	14
ONLINE EDUCATION CENTER (OEC)	14
REMOVAL FROM A COURSE	14
STUDY HALLS.....	14
TEACHER ASSISTANTS	14
ENROLLMENT AND TRANSFER CREDITS	14
AVON HIGH SCHOOL 2021-2022 SCHEDULING YEAR	16
CAREER & TECHNICAL EDUCATION	18
AREA 31 CAREER PROGRAMS	19
BROADCASTING COURSES.....	30
BUSINESS COURSES.....	33
ENGINEERING COURSES.....	38
ENGLISH COURSES	41
FAMILY AND CONSUMER SCIENCES COURSES	48
MATHEMATICS COURSES.....	52
PERFORMING ARTS COURSES	57
PHYSICAL EDUCATION & HEALTH COURSES.....	64
SCIENCE COURSES.....	68
SOCIAL STUDIES COURSES.....	75
SPECIAL EDUCATION: RESOURCE DEPARTMENT COURSES	80
VISUAL ARTS COURSES.....	86
WORLD LANGUAGE COURSES.....	91
NON-DEPARTMENTAL COURSES	95
NON-DISCRIMINATION STATEMENT	96

DIPLOMA COMPLETION AND GRADUATION

Students receiving a diploma from Avon High School must take required units of study from Avon, Harris Academy, an 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 in order to participate in the graduation ceremony. Students are expected to participate in the graduation ceremony in order to receive a diploma.

INDIANA DIPLOMA DESIGNATIONS

In addition to the following diploma credit requirements, students earning an Indiana diploma through Graduation Pathways must complete the employability skills and post-secondary competencies listed on page 3. Students in the Classes of 2023, 2024, & 2025 are required to complete the Graduation Pathway process to earn any Indiana diploma.

CORE 40

English/Language Arts	8 credits in Literature, Composition, & Speech
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, student 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, student 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 “B” 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 transcribed 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 transcribed college credits.
 - D. Complete the SAT test with a composite score of 1250 or higher and a minimum score of 560 on the math section and a 590 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 transcribed college credits
- Earn a grade of “C-” or above in courses that will count toward the diploma*
- Have a grade point average of “B” 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

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 is reviewed.
- The student’s parent/guardian determines whether the student will achieve greater educational benefits by completing the general curriculum or the Core 40 curriculum.
- If the decision is made to opt out of 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 2020, and is subject to change.

Project-Based Learning

- English 12 class; Semester 1
- PLTW Digital Electronics
- PLTW Biomedical Innovations
- PLTW Medical Interventions
- Robotics and Innovation

Service-Based Learning

- Peer Tutoring
- JROTC
- Clubs (i.e. DECA, Interact, Peer Pals) active member (Sponsor verification)
- Athletics: Full season (Coach or Athletic Department verification)
- Marching Band, Color Guard, Show Choir (Teacher verification)

Work-Based Learning

AT AHS/HARRIS

- JAG
- Work Based Learning Internship
- Cadet Teaching
- Early Childhood Internship
- Career Exploration Internship

AT AREA 31

- See page 19

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 on AFQT
- State/Industry Certificate
- C Average for 2 non-duplicative advanced courses in a Career Concentrator.

Career Concentrators are met with certain Career/Technical Education (CTE) courses. The chart on top of page 7 highlights CTE concentrators offered at Avon High School. Students must complete both Concentrator A and Concentrator B in the pathway with at least a C average in order to meet the Career Concentrator criteria. The course descriptions are found in the respective department sections. Courses with an asterisk will be offered in 2022-23. CTE programs can be explored in the [Indiana CTE Career Guide](#).

Career Concentrator Programs of Study at Avon High School



Dept page # in POS	Pathway/Program of Study	Example careers	Concentrator Course A	Concentrator Course B
31	Radio TV	TV/news producer	Radio and Television I	Radio and Television II
34	Entrepreneurship & Management	Business owner	Princ. of Business Management or Princ. of Marketing	Entrepreneurship
34	Business Management & Administration	Business Manager	Principles of Business Management	Administrative & Office Management
39	Engineering	Engineer	Principles of Engineering	Digital Electronics or Civil Engineering and Architecture*
39	Manufacturing and Logistics	Engineer	Industrial Automation and Robotics I	Industrial Automation and Robotics II*
49	Human and Social Services	Social worker	Human and Social Services I	Human and Social Services II*
49	Early Childhood	Pre-school educator	Early Childhood Education I	Early Childhood Education II
69	Biomedical/Technology	Nurse, medical technician	PLTW Human Body Systems	PLTW Medical Interventions
87	Commercial Photography	Commercial Photographer	Commercial Photography	Graphic Design and Layout

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 various programs offered at the Area 31 Career Center can be found in this Program of Studies on p. 19. 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	Concentrator Course A	Concentrator Course B
Horticulture/ Landscape	Landscape worker	Horticultural Science	Landscape Management I
Construction	Carpenter	Construction Trades I	Construction Trades II
HVAC	Heating and air technician	Construction Technology HVAC I	Construction Technology HVAC II
Graphic Imaging	Designer	Graphic Design and Layout	Graphic Imaging Technology

Early Childhood	Preschool worker	Early Childhood Education I	Early Childhood Education II
Pharmacy	Pharmacy technician	Health Science Education I	Health Science II: Pharmacy
Nursing	Certified Nursing Assistant	Health Science Education I	Health Science Education II: Nursing (including MA)
Cosmetology	Hair stylist	Cosmetology I	Cosmetology II
Culinary Arts	Chef	Culinary Arts and Hospitality I	Culinary Arts and Hospitality II: Culinary Arts
Networking	Computer technician	Networking I	Networking II: Cybersecurity Capstone
Advanced Manufacturing	Engineer	Advanced Manufacturing I	Advanced Manufacturing II
Machine Tech	Machinist	Precision Machining I	Precision Machining II
EMT/Paramedic	Paramedic	Health Science Education I	Emergency Medical Services
EMT/Paramedic	Firefighter	Fire and Rescue I	Emergency Medical Services
Auto Collision	Auto mechanic	Automotive Collision Repair I	Automotive Collision Repair II
Auto Tech	Auto mechanic	Automotive Services Technology I	Automotive Services Technology II
Aviation Maintenance	Aircraft mechanic	Aviation Maintenance I	Aviation Maintenance II
Tractor Trailer Operations	Tractor trailer Operator	Automotive Services Technology I	Tractor/Trailer Operation
Art, AV Technology and Communication	Web designer	Interactive Media	Graphic Design and Layout

STATEWIDE TESTING FOR INDIANA STUDENTS – Class of 2022

What if a student earns enough credits to graduate, but does not pass the ISTEP+ English and Math?

The assessment requirement for graduation can be met by fulfilling the following components of the Evidence-Based Waiver OR opting into a Graduation Pathway. The following are the components of an Evidence-Based Waiver:

1. Take the graduation exam in each subject area in which you did not achieve a passing score at least one time every school year after the school year in which you first took the examination.
2. Complete help sessions offered each year by the school to prepare for the graduation examination retests.
3. Maintain a school attendance rate of 95 percent or better over the course of his/her high school experience (excused absences are not counted against the attendance rate).
4. Have at least a C- average (a 1.7 GPA) in the courses required for graduation.
5. Satisfy any other state and local* graduation requirements.
6. Get a written recommendation from the teacher(s) in the subject area(s) not passed, as well as one from the school principal, and show proof that the academic standards have been met through other tests or class work.

*Students with an IEP are not required to meet local requirements beyond state requirements (effective 2016).

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. Once the course is repeated, the initial grade will be changed to "R" (which designates a repeated course) on the transcript and will not count in the cumulative GPA. Only the second grade will count in the cumulative GPA because the initial credit will have been removed. Should the grade for the repeated course be lower than the initial grade, that grade will be changed to an "R".
4. A student may repeat a lower level of the same course (providing the academic standards are the same for the two courses). For example, a student who earns a D+ in English 10 Honors may opt to take English 10 for a higher grade and replace the D+ with an R.
5. If a student fails a required course, he/she may retake the course in summer school, and/or by an approved online course and/or through Plato 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 Pre-ACT 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. 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 after October 1 and submit by April 15 of 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 guidance 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 two 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 Guidance 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 Guidance 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	PreACT in October
Grade 10	PSAT in October
Grade 11	PSAT/NMSQT in October

Grade 12 ACT and/or statewide SAT in spring
 ACT and/or SAT in July/August/September/October/November/December

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, student 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 2021 College Board exam fee is \$94.00 per exam. The state of Indiana has approved to pay for the 2021 English, science, and math exams for all grade levels. All other exam fees are the responsibility of the student. The College Board and the state of Indiana provides 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.

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 in January; therefore, it is important for students to give serious thought to their class selections and commit to completing these classes. 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. Course verification sheets will be given to students in April. In the event that a student would think it necessary to make a change in a course selection, the student must do so by April 23. Requests for changes will be honored if space is available in the course and the student meets any course prerequisites. 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. Guidance counselors will make adjustments to the students’ course selections based on courses failed in the second semester and/or courses taken during the summer.

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 in to their counselor within the first SIX 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 in to their counselor within the first SIX days of the semester. If a student drops a course after the first SIX 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.

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

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

- complete a Mid-term Graduation Request Form by September 30, 2021
- pass the ISTEP graduation exam in math and English by the end of the first semester of their senior year or meet the Graduation Pathway requirements

EARLY GRADUATES

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

- complete an Early Graduation Request form by September 30, 2021
- submit a letter of request to the principal by September 30, 2021
- pass the ISTEP graduation exam in math and English by the end of the first semester of their junior year or meet the Graduation Pathway requirements

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/>.

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 93-100%	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
B+ 87-89%	3.3	C+ 77-79%	2.3	D+ 67-69%	1.3	F 59-0%	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, and Japanese I) to assist them in maximizing their opportunities to meet graduation requirements.

REPLACING GRADES OF HIGH SCHOOL COURSES TAKEN IN MIDDLE SCHOOL

Beginning with the Class of 2025, 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.

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 into 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 not appear on the transcript

A student in the Classes of 2022, 2023, and 2024 may opt out of high school credits earned in middle school anytime during the final seven semesters of attendance at Avon High School. Students in the Class of 2025 and beyond must opt out of any middle schools 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 in 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 into the guidance 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 Advanced Physical Conditioning, 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)

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) is determined at the end of the seventh semester of the senior year. As of winter 2020-2021, AHS is reviewing its class ranking system and may be recommending changes for the Class of 2025 and beyond.

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 Pre-Calc/Trig (with or without VU Math 102/104)	Pre-Calc/Trig Honors (with or without VU Math 102/104) Trigonometry ACE College Algebra II ACE	AP Calculus A/B ACE AP Calculus B/C ACE AP Calculus A/B AP Statistics
Science	Biology I Honors	Chemistry I Honors Physics I Honors Anatomy/Physiology Honors	AP Biology AP Chemistry AP Physics AP Environmental Science

English	English 9 Honors	English 10 Honors English 101 VU Literature 100 VU	AP Language & Comp. AP Literature & Comp.
Social Studies	Geography and History of the World Honors	VU American Hist. 139/140	AP US History AP Government AP Economics AP Psychology AP World History AP European History
World Language		French Level 3 German Level 3 Spanish Level 4 Japanese Level 4	Any AP Language
Business			AP Computer Science Principles AP Computer Science
Fine Arts			AP Music Theory AP Art History AP Studio Art

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.

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

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

Please Note: Students, who transfer to Avon with honors courses on their transcript, will have their transcript reviewed by the guidance 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 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 and/or online courses, will not be weighted.**

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 athletic office. Academic letters and/or chevrons are awarded two times a year. 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 of 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 Guidance 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.

HARRIS ACADEMY

Harris Academy, located in Brownsburg, provides a performance-based alternative educational setting to enable high school students to complete their education in a small setting. The program at Harris 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. Harris 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 Harris by September 30 (*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. All classes have been customized by AHS faculty to insure 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 administration. Students must not have any D's or F's 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 Guidance 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 course-work 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 course-work 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 guidance 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.
- Although credits from nonpublic schools may be granted and placed on a student's transcript, no grades will be entered on the transcript or considered for class ranking. Only grades awarded for courses taken at the Corporation or at a school approved or certified by a State education agency shall be considered in class ranking and for entering on the transcript.
- In order to graduate from Avon High School, the student must be enrolled in and attain his/her last (4) credits at Avon High School.
- 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.

AVON HIGH SCHOOL 2021-2022 SCHEDULING YEAR

BROADCASTING EDUCATION

1658 Intro to Communications: Mass Media
 1660 1661 Television I: Video Production
 1662 1663 Television II: Video Production
 1664 1665 Computer Illustration & Graphics
 420V VU Intro Audio-Video Production 102
 421V VU Audio Production 120
 424V VU Video Production I (Studio) 140
 426V VU Video Production II (Field) 206

BUSINESS EDUCATION

0207 Work-Based Learning
 0211 Personal Financial Responsibility
 0225 0226 Information Tech Support
 0229 Merchandising, Fashion
 0234 0250 Principles of Marketing
 0264 0265 Entrepreneurship & New Ventures
 Capstone
 0255 0256 AP Computer Science Principles
 0235 0236 AP Computer Science
 0237 IM: Web Design
 0238 0239 Business Math
 0240 Preparing for College and Careers
 0247 Digital Applications and Resp. I
 0248 Digital Applications and Resp. II
 0251 0252 Business Law and Ethics
 0257 0258 Education Prof: Cadet Teaching
 0260 0261 Administrative & Office Mgt
 0262 0263 Princ of Business Management
 0281 0282 Introduction to Accounting
 0275 0276 Cybersecurity PLTW

ENGLISH

1701 Language Arts Lab
 1703 1704 English 9
 1705 1706 English 9 Hon
 1715 1716 English 10
 1717 1718 English 10 Hon
 1727 1728 English 11
 1731 1732 English 12
 1731B 1732B English 12 (Blended Learning)
 1755 VU English 101
 1757 VU Literature 100
 1740 1741 AP Eng Lit & Comp
 1742 1743 AP Eng Lang Comp
 1770 Creative Writing
 1781 Adv Speech and Communication
 1782 Debate
 1784 Speech
 1785 Journalism
 1789 Etymology
 1794 1795 Yearbook
 1797 1798 Newspaper
 1703E 1704E ENL Eng 9
 1715E 1716E ENL Eng 10
 1727E 1728E ENL Eng 11
 1731E 1732E ENL Eng12
 1746 0747 English New Language
 1748 1749 ENL Study Hall

FAMILY & CONSUMER SCIENCES

0501 Interpersonal Relationships
 0508 0509 Early Childhood Ed Internship
 0521 Nutrition & Wellness
 0522 Adv Nutrition & Foods I
 0523 Adv Nutrition & Foods II
 0524 Intro to Culinary Arts
 0541 Child Development
 0542 Adv Child Development
 0550 Housing & Interiors I

0551 Housing & Interiors II
 0580 Adult Roles & Responsibilities
 0543 0544 Human and Social Services I

FINE ARTS (Visual Art)

0110 Intro to 3-D Art
 0111 Intro to 2-D Art
 0113 0114 AP Art History
 0115 0116 AP Studio Art
 0121 0122 AP Studio Art: Digital Photo
 0120 Digital Design
 0123 Drawing I
 0147 Drawing II
 0149 Drawing III
 0150 Drawing IV
 0124 Painting I
 0125 Painting II
 0148 Visual Communication I (Graphic Design I)
 0164 Digital Photography I
 0165 Digital Photography II
 0166 0167 Commercial Photography
 0172 Ceramics I
 0174 Ceramics II
 0176 Ceramics III
 0177 Sculpture
 0168 0169 Graphic Design and Layout

FINE ARTS—PERFORMANCE (Band, Choir, Orchestra, Dance)

0803 0804 Jazz Ensemble
 0809 0810 Beg. Instr. Music: Black & Gold Band
 0801 0802 Int. Instr. Music: Symphonic Band
 0877 0878 Int. Instr. Music: Concert Band
 0805 0806 Adv. Ins Music: Wind Symphony
 0872 Int Ins Ens Percussion
 0874 0875 Adv Ins Ens Percussion
 0881 0882 Beg Ins Music: Concert Orchestra
 0879 0880 Int. Ins. Music: Intermezzo Orchestra
 0883 0884 Int Ins Music: Philharmonic Orchestra
 0885 0886 Adv Ins Music: Symphony Orchestra
 0899 0900 Chamber Orchestra Ensemble
 0891 0892 Int Instrumental Music: Brass
 0893 0894 Int Instrumental Music Woodwinds
 0895 0896 Adv Instrumental Music: Brass Woodwinds
 0897 0898 Adv Instrumental Music Woodwinds
 0811 0812 Dance Performance: Color Guard
 0821 0822 Beginning Chorus Male: Oriole Choir
 0813 0814 Beginning Chorus Fem.: Black & Gold Choir
 0823 0824 Intermediate Mixed Chorus
 0817 0818 Advanced Chorus Fem.: Allegros
 0825 0826 Advanced Mixed Chorus: Chamber Singers
 0865 0866 Vocal Advanced Jazz/Show Choir: Accents
 0830 Music Theory & Comp. I
 0831 0832 AP Music Theory
 0820 Music History and Appreciation
 0860 Piano & Elec. Keyboard I

0861 Piano & Elec. Keyboard II
 0862 Piano & Elec. Keyboard III
 0864 Piano & Elec. Keyboard IV
 0852 Dance Choreography I
 0853 Dance Choreography II
 0854 Dance Choreography III
 0856 0857 Dance Company I & II
 0859 0863 Advanced Dance Tech.
 0816 The Dancer's Facility
 0843-0844 Attraction Show Choir

FINE ARTS—PERFORMANCE (Theatre)

1760 Technical Theatre
 1761 Theatre Arts
 1762 Advanced Theatre Arts
 1763 Theatre Production
 1764 Advanced Acting
 1765 Theatre Arts History

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
 0728 0729 Finite Math
 0730 Probability & Stats
 0731 0737 AP Statistics
 0748 0749 CCR Bridge: Math Ready
 0751N 0752N Precalculus/Trig.
 0751 0752 Precalculus/Trig.: VU Math 102/104
 0753 0754 Precalculus/Trig. Honors
 0781 0782 Precalculus/Trig. Honors: VU Math 102/104
 0757 0758 AP Calculus AB
 0743 0744 Geometry ACE
 0738 0739 College Algebra II ACE
 0740 Trigonometry ACE
 0767 0768 AP Calculus AB ACE
 0763 0764 AP Calculus BC ACE

PE/HEALTH

1101 Health Ed
 1122 Phys Ed I
 1123 Phys Ed II
 1137 1138 Physical Fitness I
 1145 1146 Team Sports
 1163 1164 Advanced Basketball
 1161 Swimming
 1197 1198 Adv Physical Conditioning
 1195 1196 APC Cardiovascular Development
 1107 Lifeguard Training
 1113 Lifeguard II
 0816 The Dancer's Facility

RESOURCE

1300 Peer Tutoring
 1311 1312 Behavior Dev. Program
 0707 0708 Basic Skills Math
 0238 0239 Business Math
 0703 0704 Basic Skills Development
 0733G 0734G Algebra I
 0921G 0922G Biology
 0933G 0934G Earth and Space Science
 1013G World History & Civilization
 1041G U.S Government
 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 Pers 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

0921 0922 Biology I
 0913 0914 Biology I Honors
 0915 0916 AP Biology
 0907 Adv. Science: Human Genetics
 0925 Adv. Science: Zoology
 0927 0928 Anatomy & Physiology Honors
 0935 0936 Environmental Science
 0943 0944 Integrated Chemistry/Physics
 0951 0952 Chemistry I
 0945T 0946T Chemistry I Honors 9
 0945 0946 Chemistry I Honors 10
 0947 Adv Science: Organic Chemistry
 0948 Adv Science: Intro to Forensic
 Science
 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. & Magn
 0975 0976 AP Environmental Science
 0981 0982 PLTW: Principles of Biomedical
 Sciences
 0983 0984 PLTW: Human Body Systems
 0985 0986 PLTW: Medical Interventions
 0987 0988 PLTW: Biomedical Innovations

SOCIAL STUDIES

1000 1001 Geography/History of the World
 1002 1003 Honors Geography/History
 of the World
 1015 1016 AP World History
 1018 1019 AP European History
 1021 1022 US History
 1091 1092 VU American Hist 139/140 I-II
 1023 1024 AP US History
 1031 Psychology
 1033 1034 AP Psychology
 1041 US Government
 1041B US Government (Blended Learning)
 1043 1044 AP US Government
 1051 Sociology
 1061 Economics

1061B Economics (Blended Learning)
 1067 1068 AP Economics
 1004 Ethnic Studies
 1027 Indiana Studies

ENGINEERING & TECHNOLOGY EDUCATION

1633 Computers in Design & Production
 1650 1651 Intro to Construction I and II
 1652 1653 Intro to Transportation I & II
 1638T 1639T Ivy Design 102 PLTW IED
 1640T 1641T Ivy Design 104 PLTW POE
 1642V 1643V VU Digital Logic 130 PLTW
 1670 1671 Industrial Automation &
 Robotics I

WORLD LANGUAGES

0401 0402 Lang for Heritage Speakers I
 0411 0412 French Lev I
 0413 0414 French Lev II
 0415 0416 French Lev III
 0471 0472 AP French Language
 0421 0422 German Lev I
 0423 0424 German Lev II
 0425 0426 German Lev III
 0473 0474 AP German Language
 0431 0432 Spanish Lev I
 0433 0434 Spanish Lev II
 0435 0436 Spanish Lev III
 0437 0438 Spanish Lev IV
 0475 0476 AP Spanish Language
 0461 0462 Japanese Lev I
 0463 0464 Japanese Lev II
 0465 0466 Japanese Lev III
 0467 0468 Japanese Lev IV
 0477 0478 AP Japanese Language

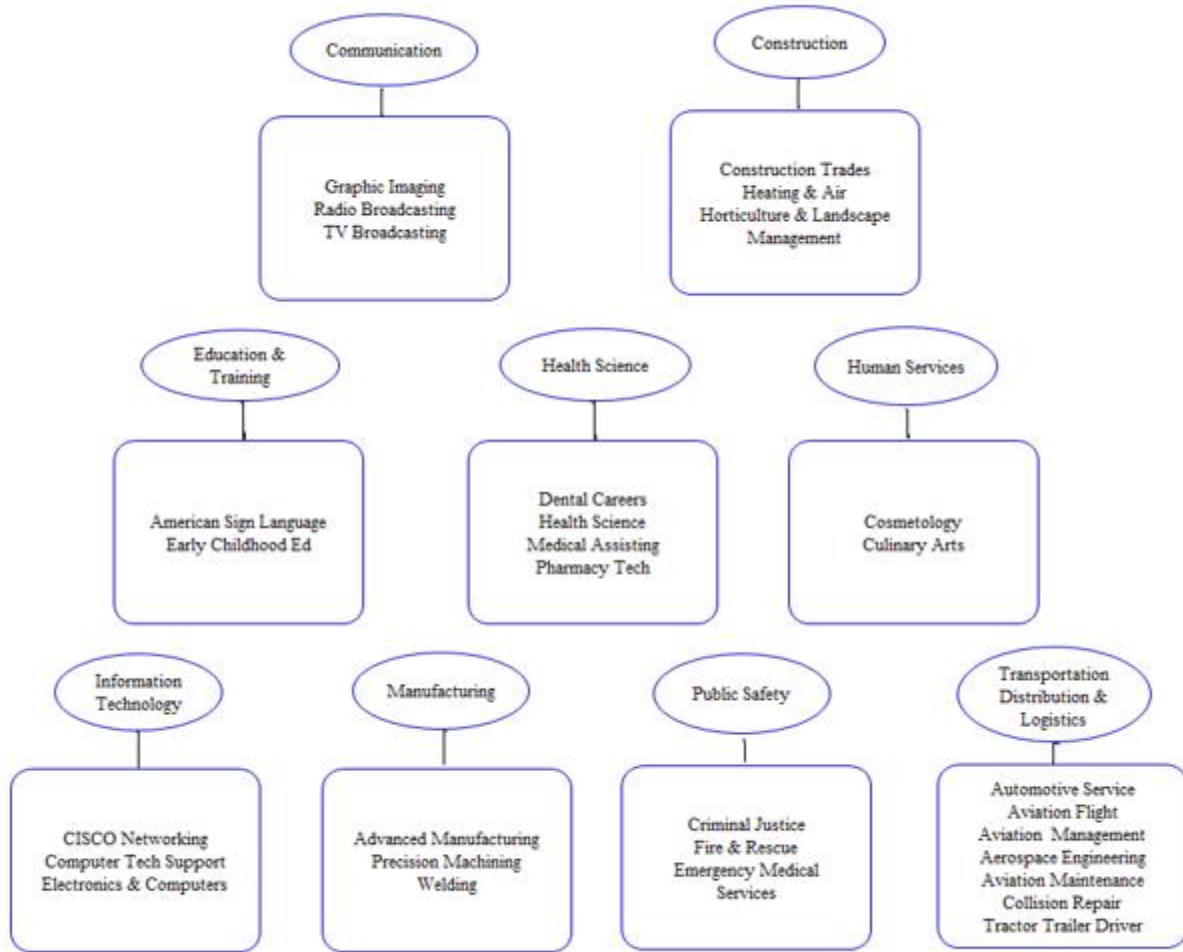
CAREER/TECHNICAL EDUCATION (AREA 31)

422 423 Advanced Manufacturing
 305 306 Auto Service Technology
 379 380 Aviation Flight
 384 385 Aviation Maintenance Technology
 301 302 Collision Repair Tech
 311 312 Construction Trades
 341 342 Cosmetology
 438 439 Criminal Justice
 331 332 Culinary Arts
 403 404 Dental Careers
 391 392 Early Childhood Education
 434 435 Emergency Medical Services
 436 437 Fire and Rescue
 401 402 Graphic Imaging
 371 372 Health Science Education
 315 316 Heating & Air Conditioning
 411 412 IM: Web Development & Design
 407 408 Hort & Landscape Mgmt
 442 443 Medical Assisting
 450 451 Networking & Cybersecurity
 373 374 Pharmacy Technology
 409 410 Precision Machining
 415 416 Radio Broadcasting
 388 389 Supply Chain Mgmt & Logistics
 308 Tractor Trailer Operation
 420 421 TV Broadcasting
 446 447 Welding Technology

ADDITIONAL COURSES

1601 1602 Study Hall
 1698 Mid-Year Graduate
 1780 School Library
 1800 1801 JAG

CAREER & TECHNICAL EDUCATION



AREA 31 CAREER PROGRAMS

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. Area 31 does not discriminate on the basis of race, color, gender, national origin, religion, creed, disability, sexual orientation or gender identity. Local employers provide curriculum direction and employment, including work based learning experiences. Most career and technical education programs enable a student to receive college credit. Some programs offer state approved industry certifications that can be used to meet technical honors diploma requirements. Other departments including Business, Communications, Science, and Engineering and Technology Education have course offerings that will help students choose a career pathway.

NOTE: Before enrolling in any Career and Technical Education program, the student must complete an enrollment form and return it to a counselor.

Course offerings include:

- Advanced Manufacturing I & II**
- Automotive Service Technology I & II**
- Aviation Flight Technology**
- Aviation Maintenance Technology I & II**
- Collision Repair Technology I & II**
- Construction Trades I & II**
- Cosmetology I & II**
- Criminal Justice I**
- Culinary Arts I (Culinary Arts and Hospitality Management)**
- Culinary Arts II (Advance Culinary Arts)**
- Dental Careers
- Early Childhood Education I**
- Early Childhood Education II (Co-op)**
- Emergency Medical Services (Fire & Rescue II)**
- Fire and Rescue I**
- Graphic Imaging Technology I & II**
- Health Science Education I**
- Health Science Education II (CNA Co-op)
- Heating and Air (HVAC I & II)**
- Horticulture & Landscape Mgmt I & II**
- Medical Assisting**
- Networking & Cyber Security I & II**
- Pharmacy Tech**
- Precision Machining I & II**
- Radio Broadcasting I & II**
- Supply Chain Management/Logistics**
- Television Broadcasting I & II**
- Tractor/Trailer Operation
- Web Development & Design I & II**
- Welding Technology**
-

**College credit available

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 I

Length/Credits: 1 period – 1 credit
Offered: 2 semester program
Open to: Grade 10, 11, 12
Prerequisite: None
Dual Credit: Ivy Tech Community College – 6 credits

- Use modern manufacturing processes to obtain resources and change them into industrial materials and consumer products
- Investigate properties of engineered materials such as: metallics; polymers; ceramics; and composites
- Study six major types of material processes: casting and molding; forming; separating; conditioning; finishing; and assembling
- Gain a basic understanding of tooling, electrical skills, operation skills, inventory principles, Material Safety Data Sheets, chart and graph reading, and Manufacturing Skills Standards Council (MSSC) concepts
- Obtain APICS Certificate: Logistics; APICS Certificate: Operations; MSSC Certificate: Certified Logistics Associate

Ivy Tech credit can be earned for the following courses:

MPRO 100	Intro to Plant Floor & CNC	3 credits
MPRO 106	Intro to Workplace Safety	3 credits

ADVANCED MANUFACTURING II

Length/Credits: 2 period block; 2 credits
Offered: 2 semester program
Open to: Grade 11, 12
Prerequisite: Advanced Manufacturing I
Dual Credit: Ivy Tech Community College – 9 credits

- Introduce to basic blueprint reading, Computer Numerical Control (CNC) operation, and commonly used skills in the manufacturing industry
- Use Computer Aided Design software (CAD) to create 3D models and working drawings.
- Setup and operate a CNC mill and lathe using multiple machine tool controllers
- Study robotics, automation and Computer Integrated Manufacturing Technology (CIMT)
- Obtain MSSC Certificate: Safety; Quality, Mfg. Processes and Production, and Maintenance Awareness. (Certified Production Technician Accreditation)

Ivy Tech credit can be earned for the following courses:

MPRO 102	Intro to Print Reading	3 credits
MPRO 122	Mechatronics Electrical	3 credits
MPRO 201	Lean Manufacturing	3 credits

AUTOMOTIVE SERVICE TECHNOLOGY I

AUTOMOTIVE SERVICE TECHNOLOGY II

Length/Credits: 3 period block; 3 credits
Offered: 4 semester program
Open to: Grades 11, 12
Prerequisite: None
Dual Credit: Ivy Tech Community College – 21 credits

- 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

Ivy Tech credit can be earned for the following courses:

Year 1

AUTI 100	Basic Automotive Service	3 credits
AUTI 122	Steering and Suspension	3 credits
AUTI 141	Engine Fundamentals	3 credits

Year 2

AUTI 111	Electrical Systems I	3 credits
AUTI 121	Break Systems I	3 credits
AUTI 131	Engine Performance	3 credits
AUTI 145	Driveline Service	3 credits

AVIATION FLIGHT TECHNOLOGY

Length/Credits: 3 periods; 3 credits
Offered: 2 semester program
Open to: Grades 11, 12
Prerequisite: None
Dual Credit: Vincennes University - 19 credits

Note: Students must provide their own transportation to ATC, 2175 S. Hoffman Road, Indianapolis; Accuplacer testing required for acceptance (Reading: 231+, Writing: 231+, Math: 245+)

- 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, break systems, pressurization, constant speed propellers, prop synchrophasers, 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
- This course is provided at the Vincennes Airport Technology Center, Students must provide their own transportation

Vincennes University credit may be earned for the following courses:

Sem. 1 (fall)

AMNT 100	Intro to Aviation	3 credits
AFLT 25	Air Transportation	3 credits
AFLT 291	Aviation Law and Regulations	3 credits

Sem. 2 (spring)

AFLT 100	Primary Ground School	4 credits
AFLT 285	Aviation Weather	3 credits
AFLT 210	Aircraft Systems, Perf. & Aerodynamics	3 credits

AVIATION MAINTENANCE I

Length/Credits: 3 period block; 3 credits

Offered: 2 semester program

Open to: Grade 11, 12

Prerequisite: None

Dual Credit: Vincennes University -16 credits + optional 7 credits*

Accuplacer testing required for acceptance (Reading: 231+, Writing: 231+, Math: 245+)

- 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 University credit can be earned for the following courses:

Sem. 1 (fall)

AMNT 106	Materials, Process, Welding	4 credits
AMNT 166	Composite & Nonmetallic Structures	4 credits

Sem. 2 (spring)

AMNT 102	General Aviation Maintenance	4 credits
AMNT 162	Aircraft Sheet Metal	4 credits
*MATH 100 Level or Higher (taken at high school)		3 credits

Sem. 3 (summer-optional)

*AMNT 107 Hydraulic and Pneumatics 4 credits

AVIATION MAINTENANCE II

Length/Credits: 3 period block; 3 credits

Offered: 2 semester program

Open to: Grade 12

Prerequisite: AMNT 104 is a prerequisite to AMNT 167. All courses (including college math and physics) for Aviation Maintenance I and II must be successfully completed to be eligible for AMNT 274

Dual Credit: Vincennes University -13 credits + optional 4 credits*

Accuplacer testing required for acceptance (Reading: 231+, Writing: 231+, Math: 245+)

- 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 University credit can be earned for the following courses:

Sem. 1 (fall)

AMNT 104	Basic Electricity	4 credits
AMNT 266	Aircraft Inspection	4 credits
*PHYT 101	Technical Physics (elective for Certificate of graduation)	4 credits

Sem. 2 (spring)

AMNT 167	Aircraft Electrical	4 credits
AMNT 274	FAA Certification (General & Airframe)	1 credit

COLLISION REPAIR TECHNOLOGY I

COLLISION REPAIR TECHNOLOGY II

Length/Credits: 3 period block; 3 credits

Offered: 4 semester program

Open to: Grades 11, 12

Prerequisite: None

Dual Credit: Vincennes University – 16 credits

Note: Juniors are scheduled into the morning class; seniors are scheduled into the afternoon class.

- 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 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

Vincennes University credits may be earned for the following courses:

1st Year

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

2nd Year

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

CONSTRUCTION TRADES I

CONSTRUCTION TRADES II

Length/Credits: 3 period block; 3 credits

Offered: 4 semester program

Open to: Grades 11, 12

Prerequisite: None

Dual Credit: Ivy Tech (Indy) – 15 credits

- Experience construction from the foundation up
- Explore career possibilities in the construction industry: carpentry, masonry, electrical, plumbing, concrete, painting, roofing, and drywall
- 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 - Indy credits for the following courses:

Year 1

BCTI 100	Intro to Construction	3 credits
BCTI 101	Intro to Carpentry- part 1	3 credits

Year 2

BCTI 102	Intro to Carpentry-part 2	3 credits
BCTI 103	Carpentry Framing & Finish, 1	3 credits
BCTI 104	Carpentry Framing & Finish, 2	3 credits

COSMETOLOGY I

COSMETOLOGY II

Length/Credits: 4 period block; 3 credits

Offered: 4 semester program

Open to: Grades 11, 12

Prerequisite: None

Note: Applicants must have a cumulative GPA of 2.0 (C average) and good attendance record

Dual Credit: Vincennes University – 30 credits

- 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; must have own transportation and attend on Saturdays
- Demonstrate skills in shampoos and sets, iron outs, updos, permanents, relaxers, scalp treatments, facial treatments, haircuts, haircolor, 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 \$600; 2nd year cost determined by PJ's (approximately \$100)
- Provide a Non-refundable deposit of \$50 by June 1st; credited toward the cost of the first year kit
- Indiana State Board of Cosmetology Certification

*Vincennes University credit can be earned for the following courses with required grade. Identified *courses must pass Accuplacer testing:*

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	9 credits

CRIMINAL JUSTICE I

Length/Credits: 3 period block; 3 credits

Offered: 2 semester program

Open to: Grades 11, 12

Prerequisite: None

Dual Credit: Vincennes University- 12 credits

- 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)

Vincennes University credits may be earned for the following courses:

Fall Semester

LAWE 100	Survey of Criminal Justice	3 credits
LAWE 150	Criminal Minds & Deviant Behav.	3 credits

Spring Semester

LAWE 101	Basic Police Operations	3 credits
LAWE 145	Ethics & Professionalism	3 credits

CULINARY ARTS AND HOSPITALITY MANAGEMENT

ADVANCED CULINARY ARTS (II)

Length/Credits: 3 period block; 3 credits

Offered: 4 semester program

Open to: Grades 11, 12

Prerequisite: None

Dual Credit: Vincennes University – 36 credits

- 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 first hand 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, servers assistant, server, assistant manager, or manager.
- Earn nationally recognized ServSafe Certification
- Required uniform: chef coat (3), hat (2), pants (1), and apron (2); approximate cost \$125

Vincennes University credit may be earned for the following courses:

Year 1 - Fall

CULN 110	Quality Food Production - Lab	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 – Lab	5 credits
REST 230	Menu Planning	3 credits

Year 2 – Fall

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

Year 2 - Spring

REST 211	Beverage I – Responsible Alcohol	1 credit
CULN 260	Haute Cuisine & Specialty	5 credits

Note: Some of the courses may require student payment of \$25 per credited hour in order to earn the credit.

DENTAL CAREERS

Length/Credits: 3 period block; 3 credits

Offered: 2 semester program

Open to: Grade 12

Prerequisite: None

Dual Credit:

- Participate in one of the fastest-growing occupations.
- 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
- Required to provide a TB test and documentation, and Hepatitis B health certificate

EARLY CHILDHOOD EDUCATION I

Length/Credits: 3 period block; 3 credits

Offered: 2 semester program

Open to: Grades 11, 12

Prerequisite: None

Dual Credit: Ivy Tech Community College – 9 credits

- 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 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

EARLY CHILDHOOD EDUCATION II (Coop)

Length/Credits: 3 period block; 3 credits

Offered: 2 semester program

Open to: Grade 12

Prerequisite: Early Childhood Education I and teacher recommendation

Dual Credit: Ivy Tech Community College – 3 credits

- 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 CD 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
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EMERGENCY MEDICAL SERVICES

Length/Credits: 3 period block; 3 credits

Offered: 2 semester program

Open to: Grade 12

Prerequisite: None

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 as an EMT.

- 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)
- Provide a limited criminal history check and immunization records

- State of Indiana Emergency Medical Technicians Certification available upon completion of standards and state test
- Required uniform will cost approximately \$60

Ivy Tech credits may be earned for the following course:

PARM 102	EMT Basic Training	7 ½ credits
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FIRE AND RESCUE I

Length/Credits: 3 period block; 3 credits

Offered: 2 semester program

Open to: Grades 11, 12

Prerequisite: None

Dual Credit: Ivy Tech – 12 credits

Note: Classes at the ESEC (Emergency Service Education Center) at 700 North High School Road

- 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 106	Fire Suppression	3 credits
HSPS 121	Hazmat Awareness & Operations	3 credits
HSPS 165	Firefighter I	3 credits
HSPS 167	Firefighter II	3 credits

GRAPHIC IMAGING TECHNOLOGY I

GRAPHIC IMAGING TECHNOLOGY II

Length/Credits: 3 period block; 3 credits

Offered: 4 semester program

Open to: Grades 11, 12

Prerequisite: None

Dual Credit: Vincennes University – 9 credits

- 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

Vincennes University credit may be earned for the following courses:

DESN 120	Computer Illustration	3 credits
DESN 140	Computer Imaging	3 credits
DESN 155	Computer Page Layout	3 credits

HEALTH SCIENCE EDUCATION I

Length/Credits: 3 period block; 3 credit
 Offered: 2 semester program
 Open to: Grades 11, 12
 Prerequisite: None
 Dual Credit: Ivy Tech Community College – 14 credits

- 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
- Costs for clinical experience may have a fee of \$250, also required physical, TB test and documentation, and criminal background check
- Other costs possible: transportation and the state certification exam (approximately \$75.00)
- Required uniform cost is approximately \$50
- Grades, classroom performance, and attendance are reviewed before acceptance in a second year program
- CPR certification approximately \$30

*Ivy Tech Community College credits may be earned in the following courses if the student completes the course with a grade of A or B. Identified * courses must pass Accuplacer testing:*

HLHS 100	Intro to Health Careers	3 credits
*HLHS 101	Medical Terminology	3 credits
HLHS 107	CNA Preparation	5 credits
HLHS 102	Essentials of Anatomy & Physiology	3 credits

HEALTH SCIENCE EDUCATION II (CNA CO-OP)

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
- Or enroll in medical assisting, dental assisting, pharmacy technician, or emergency medical services programs

HEATING AND AIR - HVAC I

HEATING AND AIR - HVAC II

Length/Credits: 3 period block; 3 credits
 Offered: 4 semester program
 Open to: Grades 11, 12
 Prerequisite: None
 Dual Credit: Ivy Tech Community College – 12 credits

- 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
INDT 113	Basic Electricity	3 credits
HVAC 100	Intro to HVAC Tech	3 credits

HORTICULTURE & LANDSCAPE MANAGEMENT I -

(HORTICULTURE SCIENCE)

HORTICULTURE & LANDSCAPE MANAGEMENT II -

(LANDSCAPE I)

Length/Credits: 3 period block; 3 credits
 Offered: 4 semester program
 Open to: Grades 11, 12
 Prerequisite: None
 Dual Credit: Ivy Tech Community College – 12 credits

- Study basic horticulture & landscape skills and career opportunities
- Learn emerging and advanced agricultural topics and techniques
- Introduction to Agriculture, Food Science and Natural Resources
- Understand common horticultural and agricultural diseases and pests, and the management of each
- Identify plants for landscaping and turf management & horticulture management
- Perform plant and vegetable production in greenhouse setting

- Experience real world situations through hands-on laboratory and outdoor scenarios.

Ivy Tech credits may be earned for the following courses:

Year 1

AGRI 116	Survey of Horticulture	3 credits
AGRI 105	Plant & Soil Science	3 credits

Year 2

AGRI 102	Agribusiness & Farm Management	3 credits
AGRI 115	Natural Resources Management	3 credits

MEDICAL ASSISTING

Length/Credits: 3 period block; 3 credits

Offered: 2 semester program

Open to: Grade 12

Prerequisite: None

Dual Credit: Ivy Tech Community College 9 credits

- 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
- Understand anatomy and physiology: all body systems and organization
- Study exam room procedures, aseptic practices, 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
- Obtain TB testing and documentation and Hepatitis B health certificate

Ivy Tech credits may be earned for the following courses:

Fall

HLHS 100	Intro to Health Careers	3 credits
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Spring

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

NETWORKING & CYBERSECURITY I & II

Length/Credits: 3 period block; 3 credits

Offered: 4 semester program

Open to: Grades 11, 12

Prerequisite: None

Dual Credit: Vincennes University – 36 credits

- 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, CHFI (Certified Hacking forensic Investigator), Network+, and Cybersecurity certificates

Vincennes University credits may be earned for the following courses and may include at \$25 per credit hour:

Fall Year 1

CNET 151	Information and Data Security I	3 credits
CNET 155	Basic Cyber Crime and Computer Forensics	3 credits

CNET 146	Intro to Network Operations and Security	3 credits
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Spring Year 1

CNET 236	Operating Systems I	3 credits
CNET 251	Information and Data Security II	3 credits
CNET 255	Adv Research in Cyber Crime and Forensics	3 credits

CNET 247	Network Operations and Security	3 credits
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Fall Year 2

CNET 237	Operating Systems II	3 credits
COMP 146	Computer Configuration and Mgmt I	3 credits

COMP 177	Intro Programming Logic	3 credits
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Spring Year 2

CNET 227	Cybersecurity Operations	3 credits
COMP 232	Business Driven Communications and Networking	3 credits

PHARMACY TECH

Length/Credits: 3 period block; 3 credits

Offered: 2 semester program

Open to: Grade 11, 12

Prerequisite: None

Dual Credit: Vincennes University – 26 credits

Note: Students must provide a background check in order to apply for Indiana Technician in Training License; Accuplacer testing required for acceptance (Reading: 250+, Writing: 250+, Quantitative Reasoning: 245+)

- 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 contacting insurance companies
- 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
- Job shadow and include other work-based learning activities
- All students will need to obtain a drug screening and background check

*Students may earn Vincennes University credits at \$25 per credit hour for the following courses with required grade. Identified *courses must pass Accuplacer testing: Reading: 250+, Writing: 250+, Quantitative Reasoning: 245+)*

Fall Semester

*HIMT 110	Medical Term	3 credits
PHARM 105	Pharmacology I	3 credits
PHARM 110	Dispensing Lab I	2 credits
PHARM 220	Pharmacy Calculations	3 credits

Spring Semester

PHARM 206	Pharmacology II	3 credits
PHARM 211	Dispensing Lab II	2 credits
PHARM 115	Pharmacy Law for Technicians	3 credits
PHARM 200	Pharmacy Mgmt	3 credits
PHARM 225	Practicum	4 credits

PRECISION MACHINING I

PRECISION MACHINING II

Length/Credits: 3 period block; 3 credits

Offered: 4 semester program

Open to: Grades 11, 12

Prerequisite: Algebra I

Dual Credit: Vincennes University – 21 credits

- 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

Vincennes University credits may be earned for the following courses:

1st Year

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

2nd Year

PMTD 115	CNC Set Up and Operation	2 credits
PMTD 116	Intro to CNC Programming	2 credits

PMTD 120 General Machines 6 credits

RADIO BROADCASTING I

Length/Credits: 1, 2 or 3 periods; up to 3 credits

Offered: 2 semester program

Open to: Grades 11, 12

Prerequisite: None

Dual Credit: Vincennes University – 3 credits

- 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 on a daily basis
- 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:

BCST 102 Intro Audio/Visual Production 3 credits

RADIO BROADCASTING II

Length/Credits: 1, 2, or 3 periods; up to 3 credits

Offered: 2 semester program

Open to: Grades 12

Prerequisite: Instructor's approval

Dual Credit: Vincennes University – 3 credits

- Broadcast your own radio show on the air
- Members become leaders in the WBDG program
- Management opportunities available
- Internships possible
- Projects and skills in Radio Broadcasting
- Day-to-day WBDG management responsibilities
- May require before, during, and after school assignments as a part of the course curriculum

Vincennes University credits may be earned for the following course with required grade and Accuplacer test scores.

BCST 120 Audio Production I 3 credits

SUPPLY CHAIN MANAGEMENT/LOGISTICS

Length/Credits: 3 periods – 3 credits

Offered: 2 semesters

Open to: Grades 12

Prerequisite: None

Dual Credit: Ivy Tech – 12 credits

Certifications: MSSC Certified Logistics Technician

NOTE: Location of class to TBA

- 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 course with required grade

Fall		
LOGM 127	Intro to Logistics	3 credits
LOGM 201	Logistics Quality & Lean Mfg	3 credits
Spring		
LOGM 227	Supply Chain Mgmt	3 credits
LOGM 229	Transportation Systems	3 credits

TELEVISION BROADCASTING I

Length/Credits: 2 or 3 periods; up to 3 credits
Offered: 2 semester program
Open to: Grades 11, 12
Prerequisite: Instructor's approval
Dual Credit: Vincennes University – 3 credits

- 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:

BCST 102	Intro to Audio/Visual Production	3 credits
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TELEVISION BROADCASTING II

Length/Credits: 2 or 3 periods; up to 3 credits
Offered: 2 semester program
Open to: Grades 11, 12
Prerequisite: Instructor's approval
Dual Credit: Vincennes University – 3 credits

- Live from Ben Davis, it's WBDTV!

- Continue working with the components of television broadcasting and studio production in this "project oriented" class
- Provide content for and the production of programs produced by BDTV including the announcement newscast and any cable programs
- Use everything you learned in the previous semesters
- Opportunity for work based learning experiences at local TV stations

Vincennes University credits may be earned for the following course with required grade and Accuplacer test scores.
BCST 120 Visual Production I 3 credits

TRACTOR/TRAILER OPERATION

Length/Credits: 3 period block, 3 credits
Offered: 1 semester program (Spring)
Open to: Grades 12
Prerequisite: None
Dual Credit: TTD 9130 Certificate of Program Completion (C.P.C.)

NOTE: Students must provide their own transportation to ESEC (Emergency Services Education Center), 700 N. High School Road; Students must have held an operator's license for 1 full year prior to taking the class

Offered Semester 2 only - must be 18 years old by March 1

- Provided by Vincennes University at the ESEC (Emergency Services Education Center)
- Participate in classroom instruction - Monday through Friday from 1:00 p.m. to 4:00 p.m. (First 6 weeks of the semester)
- Remaining weeks focus on hands-on, behind-the-wheel, road driving experience and backing skills
- Must pass a DOT physical exam and drug screen.

Approximate expenses for student include:

- \$17 CDL Learners Permit (CLP): payable to the IN BMV
- \$175 Final driving tests scheduled by Vincennes University at an approved IN 3rd Party CDL exam site
- \$35 Commercial Driver's License; payable to the IN BMV

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

WEB DEVELOPMENT AND DESIGN I

Length/Credits: 2 periods – 2 credits
Offered: 2 semester program
Open to: Grades 11, 12
Prerequisite: None
Dual Credit: Vincennes University – 3 credits

Notes: Acceptance by application and/or interview only

- Learn web design, maintenance and graphic design
- Learn to use the Adobe Suite (Photoshop, Fireworks, Illustrator and Dreamweaver)
- Learn digital SLR photography
- Maintain the MSD of Wayne Township web site

Vincennes University credits may be earned in the following courses upon successful completion of the program, at \$25 per credit hour, for:

COMP 107 Web Page Design 3 credits

WEB DEVELOPMENT AND DESIGN II

Length/Credits: 2 periods – 2 credits

Offered: 2 semester program

Open to: Grades 12

Prerequisite: Web Development and Design I, and recommendation that instructor

Dual Credit: Vincennes University – 3 credits

Notes: Acceptance by application and/or interview only

- Learn advanced features of Adobe Suite (Photoshop, Fireworks, Illustrator and Dreamweaver)
- Maintain the MSD of Wayne Township web site

Vincennes University credits may be earned in the following courses upon successful completion of the program, at \$25 per credit hour, for:

COMP 257 Advanced Web Page Design 3 credits

WELDING TECHNOLOGY I

Length/Credits: 2 periods – 2 credits

Offered: 2 semester program

Open to: Grades 11, 12

Prerequisite: None

Dual Credit: Vincennes University – 6 credits

- Become proficient in welding technique and primary bonding processes
- Study shielded arc metal welding technology, how it is applied in industry, and gas metal arc welding technology
- Earn American Welding Society (AWS) SENSE: Entry Level Welder certification upon completing the course and passing certification test

Vincennes college credit may be earned for the following courses:

WELD 102 Shielded Metal Arc Welding 3 credits

WELD 103 Gas Metal Arc Weld 3 credits

Year 1 = Intro to communications
 Year 2 = TV1 A & B
 Year 3 = TV2 A & B
 or TV1 VU A & B
 Year 4 = TV1 VU A & B
 or TV2 VU A&B
 + Comp III & graphics
 *STN Club with honors society
 *Oriole Report

BROADCASTING COURSES

Computer Illustrations and Graphics (Animation)
 -2 semesters
 -Grades 11, 12

Introduction to Communications
 -1 or 2 semesters
 -No prerequisite, any grade level
 -Offered in the fall and spring semesters
 -Not to be taken concurrently with TV1/TV2

OR

Radio & Television I A
 -1 semester
 -Must pass Introduction to Communications with a C- or higher
 -Not to be taken concurrently with INTRO/TV2
 -Grades 10, 11, 12
 -Offered first semester only

Radio & Television I A with dual credit
 (VU BEG AUDIO-VIDEO 102, 3 credit hours)
 -1 semester
 -Must pass Introduction to Communications with a C or higher
 -Not to be taken concurrently with INTRO/TV2
 -Must be a junior or senior
 -Offered first semester only

Radio & Television I B
 -1 semester, to be taken in same year as Radio & TV1 A
 -Must pass Introduction to Communications and Radio & TV1 A with a C- or higher
 -Not to be taken concurrently with INTRO/TV2
 -Grades 10, 11, 12
 -Offered second semester only

Radio & Television I B with dual credit
 (VU AUDIO PROD 120, 3 credit hours)
 -1 semester, to be taken in same year as Radio & TV1 A
 -Must pass Introduction to Communications with a C or higher, and Radio & TV 1 A with VU dual credit in Audio-Video 102 with a C or higher, and have qualifying test scores
 -Not to be taken concurrently with INTRO/TV2
 -Offered second semester only

Radio & Television II A
 -1 semester
 -Must pass Introduction to Communications and Radio and TV 1 A & B with a C- or higher
 -Not to be taken concurrently with INTRO/TV1
 -Grades 11, 12
 -Offered first semester only

Radio & Television II A with dual credit
 (VU VIDEO PROD I 140, 3 credit hours)
 -1 semester
 -Must pass Intro to Communications with a C or higher, Must pass Radio & TV 1 A & B VU dual credit with a C or higher, and have qualifying test scores
 -Not to be taken concurrently with INTRO/TV1
 -Must be a junior or senior
 -Offered first semester only

Radio & Television II B
 -1 semester
 -Must pass Introduction to Communications and Radio and TV 1 A & B and Radio & TV 2 A with a C- or higher
 -Not to be taken concurrently with INTRO/TV1
 -Grades 11, 12
 -Offered second semester only

Radio & Television II B with dual credit
 (VU VIDEO PROD II 206, 3 credit hours)
 -1 semester
 -Must pass Intro to Communications with a C or higher, Must pass Radio & TV 1 A & B VU dual credit with a C or higher, Must pass Radio & TV 2 A with C of higher, and have qualifying test scores
 -Not to be taken concurrently with any INTRO/TV1
 -Must be a junior or senior
 -Offered second semester only

BROADCASTING EDUCATION COURSE DESCRIPTIONS

Graduation Pathways available in this AHS Department:

Pathway/Program of Study	Example careers	Concentrator Course A	Concentrator Course B
Radio TV	TV/news producer	Radio and Television I	Radio and Television II



INTRODUCTION TO COMMUNICATIONS (1658)

DOE Course Number: 4790

Two semesters – 1 credit per semester

Prerequisite: None

Grades: 9, 10, 11, 12

Introduction to Communications is a course specializing in identifying and using modern communication to exchange messages and information, focusing on journalism. This course explores the application of tools, materials, technology, and techniques used to design, produce, and use systems of communication, with a focus on our digital world today and multi-media outlets. Major goals of this course include an overview of communication technology, the way it has evolved, and how messages are produced and communicated. There is an emphasis on news and television broadcasting.

RADIO AND TELEVISION I (1660-1661)

DOE Course Number: 5986

Two semesters – 1 credit per semester

Prerequisite: C- or higher in Introduction to Communications

Grades: 10, 11, 12

Radio and Television I provides students the opportunity to learn about TV, Radio, Movie making, and the news industry with a hands-on learning approach. Students will learn video, audio, lighting, editing, script writing, and more. This is a production, project-oriented class. Students will have the opportunity to use skills developed in Radio and Television 1 by providing content for our closed-circuit television station at Avon High School on the announcement newscasts. This course requires students to work independently and to be professional at all times. This is considered a CTE, Career and Technical Education, course.

RADIO AND TELEVISION II (1662-1663)

DOE Course Number: 5992

Two semesters – 1 credit per semester

Prerequisite: C- or higher in Radio and Television I

Grades: 11, 12

Radio and Television II is a college level introductory television production course, which includes field and studio production. Students will advance video and audio skills, script writing, understanding editing and special effects, lighting, reporting, graphics, and live production skills. This course is hands-on and immersive. This course requires students to work independently and to be professional at all

times. This is considered a CTE, Career and Technical Education, course. Students may be required to attend and record events outside of school. Students will run our closed-circuit television station at Avon High School and produce the live announcement newscasts.

RADIO AND TELEVISION I A: VU BCST 102 – INTRODUCTION TO AUDIO-VIDEO PRODUCTION (420V)

DOE Course Number: 5986

One Semester – 1 credit

Grades: 11, 12

Students will receive 3 VU credit hours. This course is an overview of audio and video production. This course is an introduction to the basic equipment, skills, and techniques related to audio and video production.

RADIO AND TELEVISION I B: VU BCST 120 – AUDIO PRODUCTION (421V)

DOE Course Number: 5986

One Semester – 1 credit

Prerequisite: BCST 102 with a C or higher

Grades: 11, 12

Students will receive 3 VU credit hours. The purpose of this course is to train students in basic audio production techniques and TV/radio station operations. This is a beginning audio production course designed to acquaint students with the fundamental principles of audio recording, editing, interviewing, and microphone techniques.

RADIO AND TELEVISION II A: VU BCST 140 – VIDEO PRODUCTION I (STUDIO PRODUCTION) (424V)

DOE Course Number: 5992

One Semester – 1 credit

Prerequisite: BCST 102 with a C or higher

Grades: 11, 12

Students will receive 3 VU credit hours. This is a study of basic video production principles. Experience will be gained in the development of script writing, directing, camera, audio, video switcher, talent, graphics, and more.

RADIO AND TELEVISION II B: VU BCST 206 – VIDEO PRODUCTION II (FIELD PRODUCTION) (426V)

DOE Course Number: 5992

One Semester – 1 credit

Prerequisite: BCST 102 with a C or higher

Grades: 11, 12

Students will receive 3 VU credit hours. This is an advanced video production course, designed to continue sharpening students' video production skills in the studio with live newscasts and nonlinear Avid editing techniques and skills.

COMPUTER ILLUSTRATION AND GRAPHICS (1664-1665)

DOE Course Number: 4516

Two Semesters – 2 credits

Grades 11, 12

Computer Illustration and Graphics introduces students to the computer's use in visual communication. The focus of the course is on cartoon animation creation, touching on the skills of marketing and other graphics creation. These skills are developed by creating work with imaging, drawing, interactive, and page layout software and animation software used by professionals. The course includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials, and animation videos. This course also covers advertising theory and preparation of copy, lettering, posters, vector illustrations, graphics and logos, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design products that impart information and ideas.

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)

Web Design (1 semester, 10-12)

Information Tech Support (1-2 semesters, 9-12)*

AP Computer Science Principles (2 semesters, 10-12)

AP Computer Science A (2 semesters, 11-12)

Computer Science III: Cyber Security (2 semesters, 11-12)

Computer Illustration and Graphics (2 semesters, 11-12)

GENERAL BUSINESS OFFERINGS

Principles of Business Management (2 semesters, 10-12)**

Principles of Marketing (2 semesters, 10-12)**

Business Law and Ethics (2 semesters, 10-12)

Merchandising: Fashion (1 semester, 11-12)

Personal Financial Responsibility (1 semester, 11-12)

Introduction to Accounting (2 semesters, 11-12)

CAPSTONE COURSES

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

Education Professions (Cadet Teaching, 2 semesters, 12)

Administrative and Office Management (Ozone Store, 1-2 semesters, 11-12)*

Entrepreneurship and New Ventures (2 semesters, 12)**

*Courses can be repeated for credit

**Dual Credit Course with Ivy Tech

Department Chair: Mrs. Suzy Lebo

BUSINESS EDUCATION COURSE DESCRIPTIONS

Graduation Pathways available in this AHS Department:

Pathway/Program of Study	Example careers	Concentrator Course A	Concentrator Course B
Entrepreneurship & Mgmt.	Business owner	Principles of Business Mgmt. or Principles of Marketing	Entrepreneurship
Bus. Mgmt. & Administration	Business manager	Principles of Business Mgmt.	Admin. and Office Mgmt.



PREPARING FOR COLLEGE AND CAREERS (0240)

DOE Course Number: 5394

THIS COURSE IS REQUIRED FOR GRADUATION

One semester—1 credit

Grade Level: 9

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

INTRODUCTION TO ACCOUNTING (0281-0282)

DOE Course Number: 4524

Core 40, AHD, THD, Elective

Two semesters—1 credit per semester

Grade Level: 11-12

What are your strategies to win the game of Monopoly? After learning the Generally Accepted Accounting Principles (GAAP), we will apply your understanding to record Monopoly transactions. Do you like web-based learning? *Accounting* students are utilizing manual and on-line training to prepare, analyze and interpret financial reports. Show your classmates through Excel how to share your financial status. Did you know that all college business degrees require accounting? Thinking of becoming an entrepreneur, going to major or minor in business; this class has the beginning steps for you.

ADMINISTRATIVE AND OFFICE MANAGEMENT OZONE (0260-0261)

DOE Course Number: 5268

Core 40, AHD, THD, Elective

Two semesters—2 credits

Course may be repeated for a second semester

Prerequisite: Marketing or Principles of Business Management

Grade Level: 11, 12

Must be a DECA member

Due to the independent nature and high expectations of this class, a student's character and ability to remain in good standing at the high school along with the application process will be taken into consideration for enrollment in the class.

Advanced Business Management prepares students to plan, organize, direct, and control the functions and processes of a firm or organization and be successful in a work environment. Students are provided opportunities to develop attitudes and apply skills and knowledge in the areas of business administration, management, and finance. Individual experiences will be based upon the student's career and educational goals. All students will be required to prepare and present a marketing research project utilizing the decision-making process. Additional instructional areas include leadership, management skills, and risk management. Instructional strategies may include a school-based enterprise (OZONE), computer/technology applications, real and/or simulated marketing experiences, and projects in the marketing functions such as those available through the DECA program of co-curricular activities.

AP COMPUTER SCIENCE PRINCIPLES (0255-0256)

DOE Course Number: 4568

Core 40, AHD, THD, Elective

Two semesters—1 credit per semester

Prerequisite: Successful completion of Algebra I

Grade Level: 10-12

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 Number: 4570

Core 40, AHD, THD Elective

Two semesters—1 credit per semester

Required Prerequisite: Algebra II

Grade Level: 11, 12

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.

COMPUTER SCIENCE III: CYBER SECURITY PLTW (0275-0276)

DOE Course Number: 5253

Core 40, AHD, Elective

Two semesters – 1 credit per semester

Prerequisite: completion of or concurrent enrollment in AP Computer Science Principles or AP Computer Science A

Grade Level 11-12

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

BUSINESS LAW AND ETHICS (0251-0252)

DOE Course Number: 4560

Core 40, AHD, THD, Elective

Two semesters—1 credit per semester

Grade Level: 10-12

Business Law and Ethics provides an overview of the legal system in the business setting. Topics covered include: basics of the judicial system, contract, personal, employment and

property law. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods and situation analyses.

INFORMATION TECH SUPPORT (0225-0226)

DOE Course Number: 5230

Core 40, AHD, THD, Elective

Two semesters—1 credit per semester

Prerequisite: Teacher Approval

Grade Level: 9, 10, 11, 12

Students will be trained as technology technicians and will be utilized in the Technology Department. *Computer Tech Support* allows students to explore how computers work. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands on activities, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems.

DIGITAL APPLICATIONS AND RESPONSIBILITY I (0247)

DOE Course Number: 4528

Core 40, AHD, THD, Elective

One semester—1 credit

Grade Level: 9-12

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.

MERCHANDISING, FASHION (0229)

DOE Course Number: 5962

Core 40, AHD, THD, Elective

One semester—1 credit

Prerequisite: Principles of Marketing

Grade Level: 11-12

Merchandising is a specialized marketing course providing instruction of marketing practices that support the sale of products to retail consumers. Emphasis is placed on oral and written communications, problem solving and critical thinking skills as they relate to product design, selling, pricing, distribution, retail promotion, visual merchandising, retail cycles, retail theories, and career opportunities in the retail industry. This course can focus on a specific retail sector, such as fashion, sporting goods, electronics, etc.

PERSONAL FINANCIAL RESPONSIBILITY (0211)

DOE Course Number: 4540

Core 40, AHD, THD, Elective

One semester—1 credit

Grade Level: 10-12

Personal Financial Responsibility address the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals; identify sources of income, saving and investing; understand banking, budgeting, record-keeping and managing risk, insurance and credit card debt. A project based approach including the stock market game and applications through authentic settings such as work based observations and service learning experiences are an integral part of the course.

PRINCIPLES OF BUSINESS MANAGEMENT (0262-0263)/IVY BUSINESS 101 PRINCIPLES OF BUSINESS MANAGEMENT (0262T-0263T)

DOE Course Number: 4562
Core 40, AHD, THD, Elective
Two semesters—2 credits
Grade Level: 10-12

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.

PRINCIPLES OF MARKETING (0234-0250)/IVY MARKETING 101 PRINCIPLES OF MARKETING (0234T-0250T)

DOE Course Number: 5914
Core 40, AHD, THD, Elective
Two semesters—2 credits
Grade Level: 10-12

Principles of Marketing provides a basic introduction to the scope and importance of marketing in the global economy. Emphasis is placed on oral and written communications, mathematical applications, problem solving, and critical thinking skills as they relate to advertising/promotion/selling, distribution, financing, marketing-information management, pricing, and product/service management. Being or becoming a DECA and/or BPA member is highly encouraged.

ENTREPRENEURSHIP AND NEW VENTURES CAPSTONE (0264-0265)/IVY ENTR 101 ENTRP ENTRPRSE (0264T-0265T)

DOE Course Number: 5966
Core 40, AHS, THD, Elective
Two semesters – 2 credits
Prerequisite: *Required:* Principles of Business Management and/or Principles of Marketing; *Recommended:* Digital Applications and Responsibility
Grade Level: 12

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

WORK-BASED LEARNING (0207)

DOE Course Number: 5974
Core 40, AHD, THD, Elective
One semester—3 credits
Course may be repeated for a second semester
Grade Level: 12
Prerequisite: Approved application which includes an interview with the program supervisor. Student must acquire an internship position approved by the teacher if accepted to the program.

**Students must provide own transportation*

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.

EDUCATION PROFESSIONS: CADET TEACHING (0257-0258)

DOE Course Number: 5408
Core 40, AHD, THD, Elective
Two semesters—3 credits each semester; total 6 credits
Course may be repeated for a second semester
Prerequisite: Approved application which includes an interview with the program supervisor
Grade Level: 12

**Students must provide own transportation*

Due to the independent nature and high expectations of this class, a student’s character and ability to remain in good standing at both the high school and the cooperating school will be taken into consideration for enrollment and for the length of time that the student is participating in the class. *Education Professions: Cadet Teaching* is a course for a chosen career in education. Students work in Avon Community Schools at the K-8 levels for their field experience. The course of study includes, but is not limited to: the teaching profession, the learner and the learning process, planning instruction, learning environment, and instructional and assessment strategies. Exploratory field experiences in classroom settings and career portfolios are required components. Students will experience all aspects of the teaching profession.

INTERACTIVE MEDIA: WEB DESIGN (0237)

DOE Course Number: 5232

Core 40, AHD, THD, Elective

One semester—1 credit

Grade Level: 10-12

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

BUSINESS MATH (0238-0239)

DOE Course Number: 4512

Core 40

Two semesters—1 credit per semester

Prerequisite: Algebra I

Grade Level: 11-12

Business Math is a business course designed to prepare students for roles as entrepreneurs, producers, and business leaders by developing abilities and skills that are part of any business environment. A solid understanding of math including algebra, basic geometry, statistics and probability provides the necessary foundation for students interested in careers in business and skilled trade areas. The content includes mathematical operations related to accounting, banking and finance, marketing, and management

COMPUTER ILLUSTRATION AND GRAPHICS (1664-1665)

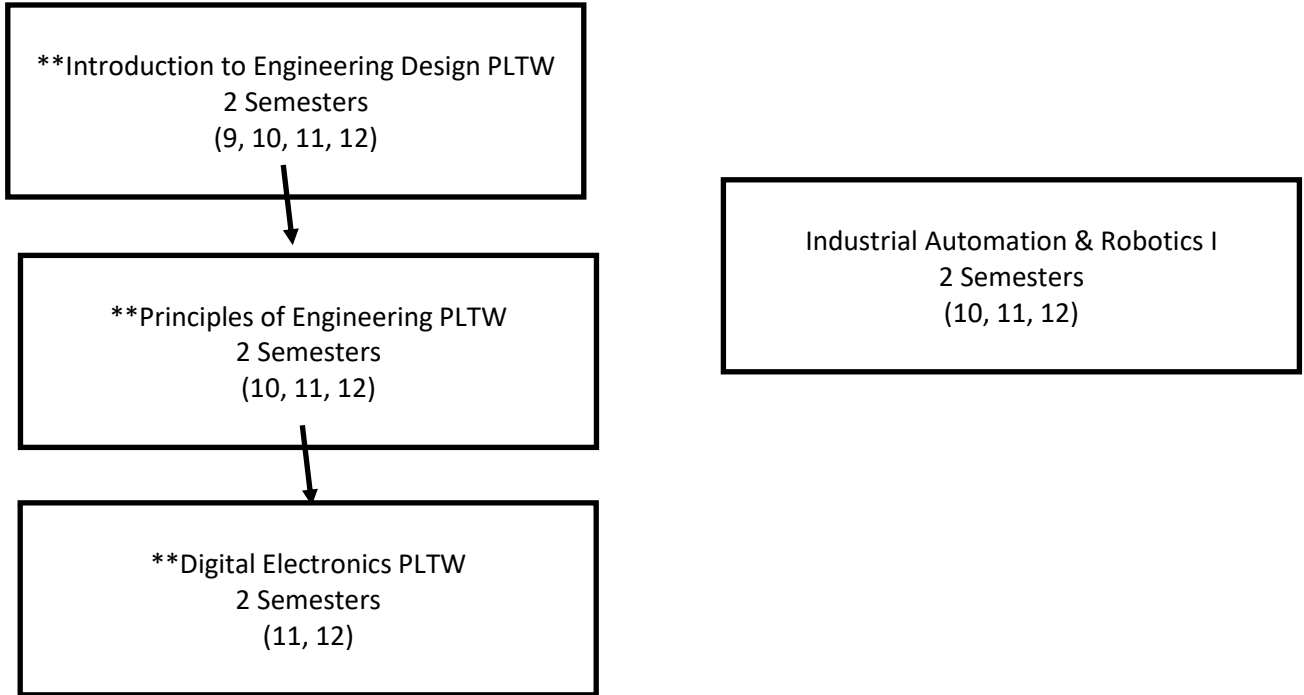
DOE Course Number: 4516

TWO SEMESTERS – 2 CREDITS

Grade Level: 11, 12

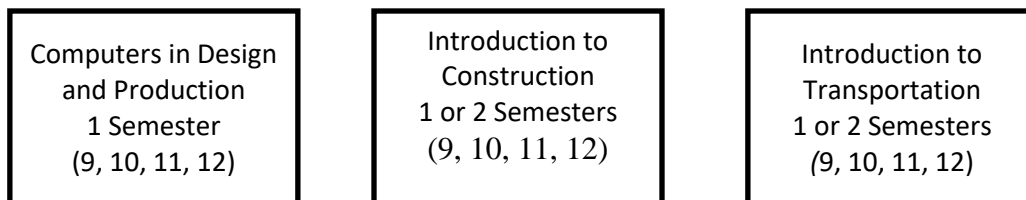
Computer Illustration and Graphics introduces students to the computer's use in visual communication. The focus of the course is on cartoon animation creation, touching on the skills of marketing and other graphics creation. These skills are developed by creating work with imaging, drawing, interactive, and page layout software and animation software used by professionals. The course includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials, and animation videos. This course also covers advertising theory and preparation of copy, lettering, posters, vector illustrations, graphics and logos, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design products that impart information and ideas.

ENGINEERING COURSES




**Dual Credit Course

ENGINEERING AND TECHNOLOGY EDUCATION COURSE OFFERINGS



ENGINEERING & TECHNOLOGY EDUCATION COURSE DESCRIPTIONS

Graduation Pathways available in this AHS Department:

Pathway/Program of Study	Example careers	Concentrator Course A	Concentrator Course B 
Engineering	Engineer	Principles of Engineering	Digital Electronics or Civil Engineering and Architecture*
Manufacturing and Logistics	Engineer	Industrial Automation and Robotics I	Industrial Automation and Robotics II*

INTRODUCTION TO CONSTRUCTION I AND II (1650-1651)

DOE Course Number: 4792

Core 40 directed elective as part of a technical career area.

One or Two Semesters—1 credit per semester

Grade Levels: 9, 10, 11, 12

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

INTRODUCTION TO TRANSPORTATION I AND II (1652-1653)

DOE Course Number: 4798

Core 40 directed elective as part of a technical career area.

One or Two Semesters—1 credit per semester

Grade Levels: 9, 10, 11, 12

Introduction to Transportation is an introductory course designed to help students become familiar with fundamental principles in modes of land, sea, air, and space transportation, including basic mechanical skills and processes involved in transportation of people, cargo and goods. Students will gain and apply knowledge and skills in the safe application, design, production, and assessment of products, services, and systems as it relates to the transportation industries. Content of this course includes the study of how transportation impacts individuals, society, and

the environment. This course allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant transportation related activities, problems, and settings.

COMPUTERS IN DESIGN AND PRODUCTION (1633)

DOE Course Number: 4800

Core 40 directed elective as part of a technical career area.

One Semester—1 credit

Prerequisite: None

Grade Levels: 9, 10, 11, 12

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.

INDUSTRIAL AUTOMATION AND ROBOTICS I (1670-1671)

DOE Course Number: 5610

Core 40 directed elective as part of a technical career area.

Two Semesters—2 credits

Prerequisite: Algebra II (may take concurrently)

Grade Levels: 10, 11, 12

Students will gain skills to design and build basic robots that use sensors and actuators to solve specific problems and complete specific tasks. This will include introductory programming autonomous mode. Students will also learn to program a humanoid robot, tethered and in autonomous mode, able to react to specific circumstances and perform human-like tasks when programming is complete. This course will provide fundamental knowledge and skills in basic lasers, pneumatics, hydraulics, mechanics, basic electronics, and

programmable logic controllers along with an understanding of career pathways in this sector.

IVY DESIGN 102/IVY DESIGN 111 PLTW INTRODUCTION TO ENGINEERING DESIGN (1638T/1639T)

DOE Course Number: 4802

Core 40 directed elective as part of a technical career area or an AHD elective

Two Semesters—1 high school credit per semester/6 Ivy Tech credits for the year-long course at no cost

Prerequisite: Interest in Engineering and Algebra I (may be taken concurrently with Algebra I)

Grade Levels: 9, 10, 11, 12

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 (1640T-1641T)

DOE Course Number: 5644

Core 40 elective as part of a technical career area or an AHD elective

Two Semesters—1 high school credit per semester/3 Ivy Tech credits for the year-long course

Prerequisite: (PLTW) Introduction to Engineering Design

Grade Levels: 10, 11, 12

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.

VU DIGITAL LOGIC 130 PLTW DIGITAL ELECTRONICS (1642V-1643V)

DOE Course Number: 5538

Core 40 elective as part of a technical career area or an AHD elective

Two Semesters—1 high school credit per semester/4

Vincennes University credits for the year-long course

Prerequisites: (PLTW) Introduction to Engineering Design and (PLTW) Principles of Engineering. Class of 2022 may take without POE.

Grade Levels: 11, 12

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 Vincennes University credits at no cost.

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.

ENGLISH COURSES

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

	HONORS/AP	CORE 40	Available Electives at each grade level
<i>NINTH GRADE</i>	ENGLISH 9 HONORS	ENGLISH 9	JOURNALISM
<i>TENTH GRADE</i>	ENGLISH 10 HONORS	ENGLISH 10	JOURNALISM ETYMOLOGY SPEECH ADVANCED SPEECH DEBATE PUBLICATIONS: YEARBOOK/NEWSPAPER
<i>ELEVENTH GRADE</i>	AP LANGUAGE	ENGLISH 11	JOURNALISM ETYMOLOGY CREATIVE WRITING SPEECH ADVANCED SPEECH DEBATE PUBLICATIONS: YEARBOOK/NEWSPAPER
<i>TWELFTH GRADE</i>	<i>CHOOSE ONE:</i> AP LITERATURE VU ENGLISH 101 and VU LITERATURE 100	<i>CHOOSE ONE:</i> ENGLISH 12 VU ENGLISH 101 and VU LITERATURE 100	JOURNALISM ETYMOLOGY CREATIVE WRITING SPEECH ADVANCED SPEECH DEBATE PUBLICATIONS: YEARBOOK/NEWSPAPER

Department Chair: Mr. Andy Johnson

ENGLISH COURSE DESCRIPTIONS

ENGLISH 9 (1703–1704)

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: None

Grade: 9

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. 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* and *The Odyssey*.

ENGLISH 9 HONORS (1705-1706)

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Qualifying scores on various school administered assessment tests

Grade: 9

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 ISTEP 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 selections from their textbook, representative longer works include: *Romeo and Juliet* and *The Odyssey*; student-directed Literature Circles involving at least one companion piece to one of the longer works. All students enrolled in this course will receive a brief summer reading assignment.

ENGLISH 10 (1715–1716)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: Satisfactory completion of Eng. 9

Grade: 10

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.

Students will read short stories, novels, plays, poems and nonfiction. Students will read longer works such as, *The Absolutely True Diary of a Part-Time Indian*, *12 Angry Men*, and *To Kill a Mockingbird*. Additionally, to prepare them for the challenges of reading on standardized tests and in their upper level high school classes, they will use both classroom instruction and individual practice in *10 Steps*. Students will also utilize Usatestprep.com to work on SAT skills.

ENGLISH 10 HONORS (1717–1718)

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: Successful completion of English 9 Honors or special permission

Grade: 10

While the minimum standards covered remain the same for *English 10* and *Honors English 10*, 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 the students to increase their fluency in both reading and writing. The oral communication component provides opportunities for students to develop a greater facility with 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*, *12 Angry Men*, *Lord of the Flies*, *To Kill a Mockingbird*, and *Julius Caesar*.

All students enrolled in this class will be assigned a mandatory summer reading assignment by the end of the school year. This reading will be assessed by a test given at the start of the following school year.

ENGLISH 11 (1727–1728)

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Successful completion of four credits of grade-specific English either Honors or General level.

Grade: 11

This course 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. 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 selections from the textbook, representative longer works include: *Into the Wild* and *Of Mice and Men*.

ENGLISH 12 (1731-1732)

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Successful completion of six credits of grade-specific English either Honors or General level.

Grade: 12

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 text 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. Writing assignments include writing a college essay and research paper, crafting an argument, producing multimedia presentations, and designing a resume for use beyond high school. Discussions will permeate all units so that students actively participate in their own learning as they also learn from their peers.

Technology is used to enhance students' writing, speaking, and listening skills. Additionally, students will participate in an online environment as well as create unique projects designed for writing for an authentic audience.

ENGLISH 12 (BLENDED LEARNING) (1731B-1732B)

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Successful completion of six credits of grade-specific English either Honors or General level; 2.5 GPA.

Grade: 12

English 12 focuses on improving students' communication and analytical skills to prepare them for college, career, and citizenship. Particular attention is paid to discerning how each student learns best. Students will read a variety of text 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. Writing assignments include writing a college essay and research paper, crafting an argument, producing multimedia presentations, and designing a resume for use beyond high school. Discussions will permeate all units so that students actively participate in their own learning as they also learn from their peers. Technology is used to enhance students' writing, speaking, and listening skills. English 12—Blended Learning is a unique classroom experience, utilizing a traditional classroom and virtual learning environment. 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 Schoology outside of the classroom. Students will be exempt from coming to school during that period on non-required days. Students in the blended learning class must possess a reliable laptop due to the online nature of the course.

AP ENGLISH LANGUAGE AND COMPOSITION (1742-1743)

Core 40 and AHD course

Two semesters—1 credit per semester

Grade: 11

Prerequisite: English 10 Honors and some tangible proof of exceptional English skills. This might include previous verbal GT identification; outstanding ISTEP and PSAT scores, recommendation of previous English teacher. Students with PSAT Critical Reading Scores below 45 should consider English 11 as an alternative.

Students who have successfully completed English 9 Honors and English 10 Honors should register for this course their junior year.

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 content 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 who write in a variety of forms – narrative, exploratory, expository, and argumentative – and on a variety of subjects. Students will be expected to purchase the books for this class rather than rent them so they can annotate freely. Much of the reading for the class is in the form of nonfiction essays, but some longer works are also included.

AP ENGLISH LITERATURE AND COMPOSITION (1740-1741)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: 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 Critical Reading Scores below 45, Or SAT critical reading scores below 450 should consider VU English or English 12.

Grade: 12

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 theme. 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. Students will be expected to purchase many of the books for this class rather than rent them so they can annotate freely.

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 Scarlet Letter*; *The Poisonwood Bible*; and *Hamlet*. All students enrolled in this class will be assigned a mandatory summer reading novel by the end of the school year. This reading will be assessed by a test given at the start of the following school year.

ENGLISH 101—VINCENNES UNIVERSITY (1755)

Core 40 and AHD Course

One semester—1 high school credit/3 Vincennes University credits

Prerequisites: Successful completion of 6 credits of English plus one of the following:

- ACT Reading score of at least 21 and an ACT English Score of at least 18
- SAT/PSAT Reading score of at least 23/23 and an SAT/PSAT Writing score of at least 25/25
- Accuplacer Reading score of at least 250 and an Accuplacer Writing score of at least 250

Grade 12

College tuition: \$75, payable to VU

English 101 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 the 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 have the opportunity to earn three hours of transferable college credit in English by registering at the start of the course and paying the \$75 tuition at that time. Students must earn a C or better in the course to receive college credit.

LITERATURE 100—VINCENNES UNIVERSITY (1757)

Core 40 and AHD Course

One semester—1 high school credit/3 Vincennes University credits

Prerequisites: Successful completion of 6 credits of English plus one of the following:

- ACT Reading score of at least 21 and an ACT English Score of at least 18
- SAT/PSAT Reading score of at least 23/23 and an SAT/PSAT Writing score of at least 25/25
- Accuplacer Reading score of at least 250 **and** an Accuplacer Writing score of at least 250

Grade 12

College tuition: \$75, payable to VU

An introduction to literature and to three major genres: fiction, poetry, and drama. Emphasis is placed on the ability to read critically and gain an appreciation for literature. Qualified students have the opportunity to earn three hours of transferable college credit in English by registering at the start of the course and paying the \$75 tuition at that time. Students must earn a C or better in the course to receive college credit.

LANGUAGE ARTS LAB (1701)

Core 40 and AHD Course

One semester—1 credit

This course does not count toward the English credit requirement for graduation

Prerequisite: Teacher or Counselor recommendation

Grades: 9

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

ETYMOLOGY (1789)

Core 40 and AHD Course

One semester—1 credit

This course does not count toward the English credit requirement for graduation

Prerequisite: Minimum of 2 English credits successfully completed

Grades: 10, 11, 12 (Grade 10 is the ideal time for this course in order to prepare for the PSAT)

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.

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.

CREATIVE WRITING (1770)

One semester—1 credit

This course does not count toward the English credit requirement for graduation

Prerequisite: Four credits of grade-specific English completed
Grade: 11, 12

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.

SPEECH (1784)

Core 40 and AHD Course

One semester—1 credit

This course does not count toward the English credit requirement for graduation

Prerequisites: Two credits of grade-specific English completed satisfactorily.

Grades 10, 11, 12

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)

Core 40 and AHD Course

One semester—1 credit

This course does not count toward the English credit requirement for graduation

Prerequisite: Speech

Grades: 10, 11, 12

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.

ADVANCED SPEECH (1781)

Core 40 and AHD Course

One semester—1 credit

This course does not count toward the English credit requirement for graduation

Prerequisite: Speech

Grades: 10, 11, 12

Advanced Speech builds on the concepts learned in Speech. Students expand speaking opportunities to include the various speech team events such as humorous and dramatic interpretation, broadcasting, extemporaneous speaking, poetry, original oratory, and informative speaking. Students will continue to focus on speech writing skills, platform movement, vocal inflection, timing, and eye contact.

JOURNALISM (1785)

One semester—1 credit

Prerequisites: None

This course does not count toward the English credit requirement for graduation

Grades: 9, 10, 11, 12

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. The course is strongly recommended for students who wish to enroll in any student publications class in their later high school study.

STUDENT PUBLICATIONS: YEARBOOK (1794-1795), NEWSPAPER (1797-1798)

One or two semesters—1 or 2 credits

May be repeated with defined standards

These courses do not count toward the English credit requirement for graduation.

Prerequisite: Journalism, Photography (if applicable), application, instructor permission is required if the prerequisites have not been met.

Grades: 10, 11, 12

Student Publication's two sections provide practical training in publishing the school newspaper and 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. 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. All sections plan, publish, market, and distribute their respective publications. Since the sections are all co-curricular, after school work and fund-raising are required.

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

Core 40 Course (These courses may count for up to 4 credits for the English credit requirement for graduation.)

Prerequisites: Students must qualify for ENL support as dictated by the state of Indiana.

Two semesters—1 credit per semester

Grades: 9,10,11,12

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. With minimal exception, this class will be taken in conjunction with an ENL study hall.

ENGLISH AS A NEW LANGUAGE (1746-1747)

Elective Course/Core 40 (This course does not count for the English credit requirement for graduation.)

Prerequisites: Students must qualify for ENL support as dictated by the state of Indiana.

Two semesters—1 credit per semester

Grades: 9,10,11,12

This course is designed for students who speak little or no English. Most of these students will have moved to the United States within the past year. Speaking skills and coping skills, as well as basic literacy skills are the main focus of this class.

ENL STUDY HALL (1748-1749)

Elective Course

Prerequisites: Students must qualify for ENL support as dictated by the state of Indiana.

One semester: 0 credits

Grades: 9,10,11,12

This course is designed solely as a study hall and support class for ENL students to receive help in content-area classes from a certified teacher.

FAMILY AND CONSUMER SCIENCES COURSES

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

Choose for the following courses per grade level:

Grade 9	Interpersonal Relationships^ Nutrition and Wellness^
Grade 10	Interpersonal Relationships^ Nutrition and Wellness^ Advanced Nutrition and Foods I * Advanced Nutrition and Foods II * Child Development^ Advanced Child Development * Housing and Interior Design I^^ Housing and Interior Design II^^
Grade 11	Adult Roles and Responsibilities^ Nutrition and Wellness^ Advanced Nutrition and Foods I * Advanced Nutrition and Foods II * Introduction to Culinary Arts* Child Development^ Advanced Child Development * Early Childhood Education Internship* Housing and Interior Design I^^ Housing and Interior Design II^^ Human and Social Services I
Grade 12	Adult Roles and Responsibilities^ Nutrition and Wellness^ Advanced Nutrition and Foods I * Advanced Nutrition and Foods II * Introduction to Culinary Arts* Child Development ^ Advanced Child Development * Early Childhood Education Internship* Housing and Interior Design I^^ Housing and Interior Design II^^ Human and Social Services I

*Prerequisite required

^Note: This course is one of six FACS courses from which students may choose three (3) to fulfill the required Health and Safety credit as per state rule 511 IAC 6-7-6 (6.)

^^Note: Can be used to fulfill required Fine Arts Credit (as of 2016)

Department Chair: Mrs. Tina Morgan

FAMILY AND CONSUMER SCIENCES COURSE DESCRIPTIONS

Graduation Pathways available in this AHS Department:

Pathway/Program of Study	Example careers	Concentrator Course A	Concentrator Course B
Human and Social Services	Social worker	Human and Social Services I	Human and Social Services II*
Early Childhood	Pre-school educator	Early Childhood Education I	Early Childhood Education II



INTERPERSONAL RELATIONSHIPS (0501)

DOE Course Number: 5364

Core 40 directed elective as part of a technical career area

One Semester—1 credit

Prerequisites: None

Grades: 9, 10

Interpersonal Relationships addresses 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. *If taken along with Child Development and Nutrition and Wellness, it can replace the Health and Safety course.

ADULT ROLES AND RESPONSIBILITIES (0580)

DOE Course Number: 5330

Core 40 directed elective as a part of a technical career area

One Semester—1 credit

Prerequisites: None

Grades: 11, 12

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 in today's society. 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 Number: 5342

Core 40 directed elective as part of a technical career area:

Hospitality and Human Services

One Semester—1 credit

Prerequisites: None

Grades: 9, 10, 11, 12

Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers related to nutrition, food, and wellness. This is a nutrition class that introduces students to 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, 2 and Intro to Culinary Arts. *If taken along with Child Development and Interpersonal Relationships, it can replace the Health and Safety course.

ADVANCED NUTRITION AND FOODS I (0522)

DOE Course Number: 5340

Core 40 directed elective as part of a technical career area:

Hospitality and Human Services

One Semester—1 credit

Prerequisite: Nutrition and Wellness

Grades: 10, 11, 12

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: Meal planning for breakfast and dinner; knife skills; special needs diets; desserts: cookies, cake, candy; meat: poultry, pork, beef, and seafood.

ADVANCED NUTRITION AND FOODS II (0523)

DOE Course Number: 5340

Core 40 directed elective as part of a technical career area:

Hospitality and Human Services

One Semester—1 credit

Prerequisite: Advanced Nutrition and Foods I

Grades: 10, 11, and 12.

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* and *Advanced Nutrition and Wellness I*, which are required prerequisites. Topics include regional and cultural cooking, breads, egg cookery, white sauces, preparing whole chicken, entertaining, rice, pasta, and more. Leadership and management processes are integrated in classroom and laboratory activities.

INTRODUCTION TO CULINARY ARTS (0524)

DOE Course Number: 5438

Core 40 directed elective as part of a technical career area:

Hospitality and Human Services

One Semester—1 credit

Prerequisite: Minimum C average in Advanced Nutrition & Foods I & II

Grades: 11, 12.

Introduction to Culinary Arts is recommended for students who are interested in pursuing a career in the culinary field, working in a commercial restaurant or the food service industry. It is especially appropriate for students with an interest in careers related to Hospitality, Tourism, and Culinary Arts. This class will build basic culinary arts knowledge and skills. This is a project-based course that utilizes higher order thinking, communication, leadership, and management processes. Topics include basic culinary skills in the foodservice industry, safety and sanitation, nutrition, customer relations and career investigation. Students are able to explore this industry and examine their own career goals in light of their findings. Laboratory experiences that emphasize industry practices and develop basic skills are required components of this course.

HOUSING AND INTERIOR DESIGN I (0550)

DOE Course Number: 5350

Core 40 directed elective as part of a technical career area:

Architecture

One Semester—1 credit

Prerequisite: None

Grades: 10, 11, 12

Housing and Interior Design Foundations I addresses selecting and planning living environments to meet the needs and wants of individuals and families throughout the family life cycle. Economic, social, cultural, technological, environmental maintenance, and aesthetic factors are considered. Topics to be studied include: housing styles, locations, zones, restrictions, and ownership options; managing resources (including financing options) to provide shelter; impacts of technology; elements and principles of design; creating functional, safe, and aesthetic spaces; historical aspects and contemporary trends in housing and interiors. ****Can be used to fulfill the fine arts credit.***

HOUSING AND INTERIOR DESIGN II (0551)

DOE Course Number: 5350

Core 40 directed elective as part of a technical career area:

Architecture

One Semester—1 credit

Prerequisite: Housing and Interior Design I

Grade 10, 11, 12

Housing and Interior Design Foundations II is a sequential course that addresses selecting and planning living environments to meet the needs and wants of individuals and families. Topics to be studied include: contemporary housing issues; furniture styles; environmental and energy issues; impacts of technology; the application of elements and principles of design; application of trends in interiors, furniture, and fixtures; housing to meet special needs; creating functional, safe, and aesthetic spaces; drafting skills; exploration of housing-related careers. This is a lab based class and students will use CAD-like software to design rooms in a house. This course is recommended for any student for students with interests in any profession related to housing, interiors, architecture and furnishings. ****Can be used to fulfill the fine arts credit.***

CHILD DEVELOPMENT (0541)

DOE Course Number: 5362

Core 40 directed elective as part of a technical career area:

Education and Training

One Semester—1 credit

Prerequisites: None

Grades: 10, 11, 12

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; child care and nurturing; and support systems for parents and caregivers. A project-based approach that utilizes higher order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these

topics into the study of child development. Applications such as introductory laboratory with young children and/or service learning, build knowledge of children are part of the Child Development course. The baby simulator provides experiences dealing with infant care. This course provides the foundation for continuing education in all career areas related to children. *If taken along with Interpersonal Relationships and Nutrition and Wellness, it can replace the Health and Safety course.

ADVANCED CHILD DEVELOPMENT (0542)

DOE Course Number: 5360

Core 40 directed elective as part of a technical career area:

Education and Training

One Semester—1 credit

Grades: 10, 11, 12

Advanced Child Development is for those students interested in careers related to child development. This course addresses issues of child development from age 3 through age 8 (grade 3). It builds on the Child Development course, which is recommended to take before this course. *Advanced Child Development* includes the study of professional and ethical issues in child development; child growth and development; child development theories, research, and best practices; child health and wellness; teaching and guiding children; special conditions affecting children; and career exploration in child development. A project-based approach integrates these topics into the study of child development. Laboratory experiences with children in preschool, and other service learning opportunities are included. This course provides a foundation for continuing education in all career areas related to children. *If taken along with Nutrition and Wellness and Interpersonal Relationships, it can replace the Health and Safety course.

EARLY CHILDHOOD EDUCATION INTERNSHIP (0508-0509)

DOE Course Number: 5412

Core 40 directed elective as part of a technical career area:

Education and Training

Two semesters—3 credits per semester

Prerequisites: Advanced Child Development

Grades: 11, 12

*There is an application process and students must provide their own transportation.

Early Childhood Education prepares students for employment in early childhood education and related careers that involve working with children from birth to 8 years (3rd grade) and provides the foundations for study in higher education that leads to early childhood education and other child-related careers. A project-based approach that integrates the study of suggested topics. The course 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. Students examine basic principles of child development, importance of family,

licensing, and elements of quality care of young children. The course addresses planning and guiding developmentally appropriate activities for young children in various childcare settings; developmentally appropriate practices of guidance and discipline; application of basic health, safety, and nutrition principles when working with children; Indiana child care regulations and licensing requirements; and employability skills. Intensive experiences in one or more early childhood settings, resumes, and career portfolios are required components. A standards-based plan for each student guides the field experiences. Students are monitored in their field experiences by the Early Childhood Education teacher. Student field experiences may be either school-based or "on-the-job" in community-based early childhood education centers or in a combination of the two. This course is recommended for students with interests in early childhood education.

HUMAN AND SOCIAL SERVICES I (0543-0544)

DOE Course Number: 5336

Core 40, AHD, and THD directed elective

Two semesters – 2 credits

Grades: 11, 12

Human and Social Services I is an introductory/exploratory course for students interested in careers in human and community services and other helping professions. Areas of exploration include family and social services, youth development, and adult and elder care, and other for-profit and non-profit services. This project-based course will help students integrate higher order thinking, communication, leadership, and management processes to conduct investigations in human and social services at the local, state, national, or global/world level. Research and development, interdisciplinary projects, and/or collaboration with postsecondary faculty, community agencies or organizations, or student organizations are possible approaches. Students will be introduced to human and social services professions through presentations from guest speakers, job shadowing, field trips and introductory and exploratory field experiences. Case studies, role play, and application of professional codes of ethics will be utilized reflecting the challenges of working in diverse communities.

MATHEMATICS COURSES

THIS CHART IS A SUGGESTED COURSE OF STUDY. ALL FINAL DECISIONS SHOULD BE DISCUSSED WITH THE STUDENT'S GUIDANCE COUNSELOR.

	ACE/AP		Honors/AP	CORE 40	Electives Available at each grade level (all have prerequisites)
	Algebra I in 7 th grade	Algebra I in 8 th grade			
9th	COLLEGE ALGEBRA II ACE	GEOMETRY ACE	GEOMETRY HONORS	ALGEBRA I	
10th	Trigonometry ACE (only in spring semester, another math elective such as AP Statistics may be taken)	COLLEGE ALGEBRA II ACE	ALGEBRA II HONORS	GEOMETRY	
11th	AP CALCULUS AB ACE	TRIGONOMETRY ACE and AP CALCULUS AB ACE	PRECALCULUS/TRIG HONORS: VU MATH 102/104	ALGEBRA II	FINITE MATH PROBABILITY & STATISTICS AP STATISTICS
12th	AP CALCULUS BC ACE	AP CALCULUS BC ACE	AP CALCULUS AB	PRECALCULUS/TRIG: VU MATH 102/104 FINITE MATH PROBABILITY & STATISTICS	FINITE MATH PROBABILITY & STATISTICS AP STATISTICS CCR BRIDGE: MATH READY

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)

Two semesters—1 credit per semester

Prerequisites: Students are placed based upon past performance and standardized test scores

Grade: 9

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)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: None

Grades: 9, 10, 11, 12

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 HONORS (0741-0742)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Algebra I with at least a B-

Grades: 9, 10

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.

GEOMETRY (0745-0746)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Algebra I

Grades: 10, 11, 12

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.

ALGEBRA II HONORS (0723-0724)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Algebra I

Grades: 10, 11, 12

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.

ALGEBRA II (0735-0736)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Algebra I

Grade: 10, 11, 12

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

CCR BRIDGE: MATH READY (0748-0749)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Successful completion of Algebra II

Grades: 12

CCR Bridge: Math Ready will include the Algebra I, Geometry, Algebra II and Statistic skills necessary to be ready for an entry-level college math course. This course emphasizes understanding of math concepts rather than just memorizing procedures. Math Ready students learn the context behind the procedure: why to use a certain formula or method to solve a problem, for example. This equips the students with higher-order thinking skills in order to apply math skills, functions, and concepts in different situations. The course is intended for students who currently have achieved the minimum math requirements for college entry. The content of this course is designed to enhance students' math skills so that they are ready for college-level math assignments. It is not designed to prepare students for college-level math in STEM majors.

FINITE MATHEMATICS (0728-0729)

Core 40 and AHD

One semester each—1 credit per semester

Prerequisites: Algebra II, Geometry, (a C or better is recommended)

Grades: 11, 12

Students may take either semester of this class or both semesters.

Finite Mathematics is an umbrella of mathematical topics. Topics include: counting techniques and probability, matrices, recursion, graph theory, social choice, linear programming, probability, optimization and game theory. It is a course designed for students who will undertake higher-level mathematics in college that may not include calculus or those students interested in a unique math elective.

PRE-CALCULUS/TRIGONOMETRY (0751N-0752N)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Alg. II or Alg. II Honors and Geom. or Geom. Honors

Grades: 11, 12

A passing grade in 0751N is required to take 0752N.

The *College Algebra 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.

If a student would rather choose to take Pre-calculus/Trigonometry as a DUAL CREDIT course, the student should register for the corresponding Vincennes courses below.

PRE-CALCULUS/TRIGONOMETRY VINCENNES UNIVERSITY MATH 102/ VINCENNES UNIVERSITY MATH 104 (0751-0752)

Core 40 and AHD course

One semester each—1 high school credit per semester plus 3 VU credits per semester. See a guidance counselor for details.

The expectation is for students who choose these courses to do so for DUAL CREDIT. Each semester course is \$75 for the 3 Vincennes University credits.

Prerequisites: Alg. II, or Alg. II Honors and Geom. or Geom. Honors and one of the following:

- Accuplacer QAS score of 255 or higher
- ACT math score of 22 or higher
- SAT math section score of 560 or higher

Grades: 11, 12

A grade of at least C- in 0751 is required by Vincennes University to take 0752

The *Pre-calculus/Trigonometry* course will blend the concepts and skills that must be mastered prior for a college-level calculus course. Topics include: trigonometry, the relationship of equations and graphs of linear, quadratic and parametric equations, translations of axes, polar coordinates, vectors, exponential and logarithmic functions, and conic sections.

PRE-CALCULUS/TRIGONOMETRY HONORS (0753-0754)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Geometry Honors, Algebra II Honors

Grade: 11, 12

Pre-Calculus Honors 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.

If a student would rather choose to take Pre-Calculus/Trigonometry Honors as a DUAL CREDIT course, the student should register for the corresponding Vincennes courses below.

PRE-CALCULUS/TRIGONOMETRY HONORS: VINCENNES UNIVERSITY MATH 102 COLLEGE ALGEBRA/VINCENNES UNIVERSITY MATH 104 TRIGONOMETRY (0781-0782)

Core 40 and AHD course

One semester each—1 high school credit per semester plus 3 VU credits per semester

The expectation is for students who choose these courses to do so for DUAL CREDIT. Each semester course is \$75 for the 3 Vincennes University credits.

Prerequisites: Alg. II, or Alg. II Honors and Geom. or Geom. Honors and one of the following:

- Accuplacer QAS score of 255 or higher
- ACT math score of 22 or higher
- SAT math section score of 560 or higher

A grade of at least C- in 0781 is required by Vincennes University to take 0782

Pre-Calculus/Trigonometry Honors 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)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Pre-Calculus Honors with at least a C-(a B- is recommended)

Grade: 12

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)

Core 40 and AHD course

One semester—1 credit

Prerequisites: Algebra II (a C or better is strongly recommended)

Grades: 11, 12

This course develops appreciation for and skill in applying statistical techniques in the decision-making process. Topics included are: 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)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Algebra II Honors (an "A" is recommended) or College Algebra ACE (a "B" or better is strongly recommended)

Grades: 10, 11, 12

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 included are: 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) (0743-0744)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Algebra I and acceptance into the ACE program

Grade: 9

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)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: Algebra I, Geometry ACE or Honors, and acceptance into the ACE program

Grades 9, 10

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)

Core 40 and AHD course

One semester—1 credit

Prerequisites: College Algebra II ACE,

Grades: 10, 11

Juniors enroll in semester 1. Sophomores enroll in semester 2

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)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisites: College Algebra II ACE and Trigonometry ACE
(may be taken concurrently with Calculus)

Grade: 11

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)

Core 40 and AHD course

Two semester—1 credit per semester

Prerequisites: AP Calculus AB (ACE)

Grade 12

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.

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 Chorus Male	Dancer's Facility	Marchers - Semester 1	Theatre Arts
Beginning Concert Music Band Beginning, Intermediate or Advanced (Director Placement)	Beginning Chorus Female	Dance Choreography I	Advanced Concert Music	
Band Elective*:	Vocal Jazz - Attraction	Dance Choreography II		
Intermediate Concert Music – Brass		Dance Choreography III		
Intermediate Concert Music – Woodwinds		Dance Performance Avon Gold Dance Team		
		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)	Intermediate Chorus Mixed	Dancer's Facility	Marchers - Semester 1	Technical Theatre
Intermediate Concert Music Band - Beginning, Intermediate or Advanced (Director Placement)	Advanced Chorus Female	Dance Choreography I	Advanced Concert Music	Theatre Arts
Chamber Orchestra Ensemble**	Vocal Advanced Jazz/Show Choir [Accents]	Dance Choreography II	Percussion	Advanced Theatre Arts
Band Elective*:	Vocal Jazz - Attraction	Dance Choreography III	Marchers - Semester 2	Advanced Acting
Intermediate Concert Music – Brass		Dance Performance Avon Gold Dance Team	Intermediate Concert Music	Theatre Production
Intermediate Concert Music – Woodwinds		Adv. Dance Technique	Percussion "A" Drumline	Theatre Arts History
Advanced Concert Music – Brass			Advanced Concert Music	
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 History and Appreciation
Music Theory and Composition I

Department Chair: Mr. Dean Westman

PERFORMING ARTS COURSE DESCRIPTIONS

INSTRUMENTAL MUSIC

Core 40 and AHD course

One Semester—1 credit

Successive semesters must be taken

Prerequisites: Middle School Band and Orchestra and Auditions

Grades: 9, 10, 11, 12

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:

BEGINNING INSTRUMENTAL MUSIC - BLACK AND GOLD BAND (0809-0810)

Grade: 9, 10, 11, 12

This is the required yearlong Band Class for all 9th Grade Brass and Woodwind Players. This band includes all non-marchers first semester of any grade level. **Audition Only.**

INTERMEDIATE INSTRUMENTAL MUSIC – BRASS (0891-0892)

Grade: 9, 10, 11, 12

This is a recommended Partner Class that may be taken along with the required Band Class for Brass Players. Students must be enrolled in band class.

INTERMEDIATE INSTRUMENTAL MUSIC – WOODWINDS (0893-0894)

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.

INTERMEDIATE INSTRUMENTAL MUSIC – SYMPHONIC BAND (0801-0802)

Grade: 9, 10, 11, 12

This is the required yearlong Band Class made up of Brass and Woodwind Players. **Audition Only.**

INTERMEDIATE INSTRUMENTAL MUSIC – CONCERT BAND (0877-0878)

Grade: 9, 10, 11, 12

This is the required yearlong Band Class made up of Brass and Woodwind Players. **Audition Only.**

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.**

ADVANCED INSTRUMENTAL MUSIC – BRASS (0895-0896)

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 – PERCUSSION (0874)

This class is for fall Marching Band percussion students. 1st semester. **Audition Only.**

INTERMEDIATE INSTRUMENTAL MUSIC – PERCUSSION “A” DRUMLINE (0872)

2nd semester. **Audition Only.**

ADVANCED INSTRUMENTAL MUSIC – PERCUSSION “WORLD” DRUMLINE (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.**

INTERMEDIATE INSTRUMENTAL MUSIC – INTERMEZZO ORCHESTRA (0879-0880)

Grades: 9, 10, 11, 12

This is a required yearlong Orchestra Class for String Players. **Audition Only.**

INTERMEDIATE INSTRUMENTAL MUSIC – PHILHARMONIC ORCHESTRA (0883-0884)

Grades: 9, 10, 11, 12

This is a required yearlong Orchestra Class for String Players.
Audition Only.

ADVANCED INSTRUMENTAL MUSIC – SYMPHONY ORCHESTRA (0885-0886)

Grades: 9, 10, 11, 12

This is a required yearlong Orchestra Class for String Players.
Audition Only.

CHAMBER ORCHESTRA ENSEMBLE (0899-0900)

Grades: 10, 11, 12

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.

JAZZ ENSEMBLE (0803-0804)

Grades 9, 10, 11, 12

Audition Only.

VOCAL MUSIC

Core 40 and AHD course

One semester—1 credit

Successive semesters must be taken

Prerequisites: None

Grades: 9,10,11,12

Students enrolled in choir develop a balanced and comprehensive musicianship, as well as specific vocal and performance skills. Choir provides instruction in vocal development, performing, listening and analyzing music. Students must participate in performance opportunities, outside of the school day, that support and extend learning in the classroom. Most choirs must be taken for successive semesters. The Level III classes require more outside time than the Level I and Level II classes.

Choose from the following VOCAL MUSIC courses:

Choral Music Level 1:

BEGINNING CHORUS MALE—ORIOLE CHOIR (0821-0822)

Grade: 9

All incoming 9th grade males should enroll in this class if not selected for a level 3 choir. Other males might be enrolled in this class at the director's discretion. A small fee is required. Fundraising opportunities are available.

BEGINNING CHORUS FEMALE—BLACK & GOLD CHOIR (0813-0814)

Grade: 9-12

All incoming 9th grade girls should enroll in this class if not selected for Vocal Jazz - female. Other females might be enrolled in this class at the director's discretion. A small fee is required. Fundraising opportunities are available.

Choral Music Level 2 (Intermediate Mixed Chorus):

INTERMEDIATE CHORUS MIXED (CONCERT CHOIR) (0823-0824)

Grades: 10, 11, 12

This is an upper-class, mixed concert choir. A small fee is required. Fundraising opportunities are available. **Audition only.**

Choral Music Level 3 REQUIRED COURSES (Advanced Chorus Female,

Advanced Chorus Male, Advanced Mixed Chorus):

ADVANCED CHORUS FEMALE—ALLEGROS (0817-0818)

Grades: 10, 11, 12

This is the advanced female choir and must be taken for two semesters. A fee is required. Fundraising opportunities are available. **Audition Only.**

ADVANCED MIXED CHORUS—CHAMBER SINGERS (0825-0826)

Grades: 10, 11, 12

This is the advanced mixed concert choir and must be taken for two semesters. A fee is required. Fundraising opportunities are available. **Audition Only.**

Show choir:

VOCAL ADVANCED JAZZ/SHOW CHOIR—ACCENTS (0865-0866)

Grades: 10, 11, 12

This is a co-curricular choir. It must be taken for two semesters.

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.

Audition Only.

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 (0843-0844)

Grades: 9, 10, 11, 12

This is a co-curricular all female show choir. It must be taken for two semesters.

Audition Only.

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

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)

Core 40 and AHD course

One semester—1 credit

Successive semesters may be taken.

Prerequisites: None

Grades: 9,10,11,12

DANCE CHOREOGRAPHY II (0853)

Core 40 and AHD course

One semester—1 credit

Successive semesters may be taken.

Prerequisites: Successful completion of all previous levels of dance and Instructor approval

Grades: 9,10,11,12

DANCE CHOREOGRAPHY III (0854)

Core 40 and AHD course

One Semester—1 credit

Successive semesters may be taken.

Prerequisites: Successful completion of all previous levels of dance and Instructor approval

Grades: 9,10,11,12

ADVANCED DANCE TECHNIQUE (0859-0863)

Core 40 and AHD course

Two semesters—1 credit per semester

Two semesters is recommended

Required: Two semesters of dance

Prerequisites: Placement Test

Grades: 9,10,11,12

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)

Core 40 and AHD course

Two semesters—1 credit per semester

Required: Year round Course

Prerequisites: Audition

Grades: 9,10,11,12

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. 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.

THE DANCER'S FACILITY (0816)

Core 40 course

Fall Semester Only – 1 credit

A nonperformance based dance class. This class is designed for those students with a desire to enhance the cardiovascular stamina, proper alignment, balance and flexibility required to strength the dancer's facility (body). This course provides students with opportunities to achieve and increase their knowledge of anatomy, fitness routines and diets to reach optimal performance. Students will explore

a variety of studies in Yoga, Pilates, Floor Barre, plyometric training and flexibility training.

Grades: 9,10,11,12

DANCE PERFORMANCE COLOR GUARD (0811-0812)

This is the Dance Course associated with the AHS Marching Black and Gold.

Core 40 and AHD course

Two semesters—1 credit per semester

Required: Two semesters per year is **required** for this course

Prerequisites: Audition

Grades: 9,10,11,12

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. Students are required to participate in performance opportunities, outside of the school day, that support and extend the learning in the classroom.

THEATRE

TECHNICAL THEATRE (1760)

Core 40 and AHD Course

One semester—1 credit

Prerequisite: None

Grades: 10, 11, 12

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. 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.

THEATRE ARTS (1761)

Core 40 and AHD course

One semester—1 credit

Prerequisite: None

Grades: 9, 10, 11, 12

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)

Core 40 and AHD course

One semester—1 credit

Prerequisite: B- or better in Theatre Arts

Grades: 11, 12

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. They also attend and critique theatre productions and identify ways to support the theatre in their community.

ADVANCED ACTING (1764)

Core 40 and AHD course

One semester—1 credit

Prerequisite: Theatre Arts

Grades: 10, 11, 12

Advanced Acting is based on the Indiana Academic Standards for Theatre. Students enrolled in *Advanced Acting* research, create, and perform characters through script analysis, observation, collaboration and rehearsal. These activities should incorporate elements of theatre history, culture,

analysis, response, creative process and integrated studies. Additionally, students explore career opportunities in the theatre by attending plays, meeting actors and discussing their work, and becoming theatre patrons in their community.

THEATRE PRODUCTION (1763)

Core 40 and AHD course

One semester—1 credit

Successive semesters may be taken.

Prerequisite: Theatre Arts

Grades: 10, 11, 12

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

THEATER ARTS HISTORY (1765)

Core 40 and AHD course

One semester—1 credit

Prerequisite: Theatre Arts

Grades: 10, 11, 12

Theatre Arts History is based on the Indiana Academic Standards for Theatre. Students enrolled in *Theatre Arts History* read and discuss significant plays from various periods and explore the interrelationship between theatre and history. These activities should incorporate elements of culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

GENERAL MUSIC: MUSIC THEORY AND PIANO

PIANO AND ELECTRONIC KEYBOARD I (0860)

Core 40 and AHD course

One semester—1 credit

Prerequisites: None

Grades: 9, 10, 11, 12

PIANO AND ELECTRONIC KEYBOARD II (0861)

Core 40 and AHD course

One semester—1 credit

Prerequisites: Beginning Piano and Electronic Keyboard or Audition

Grades: 9, 10, 11, 12

PIANO AND ELECTRONIC KEYBOARD III (0862)

Prerequisites: Piano and Electronic Keyboard I & II or Audition

Grades: 9,10,11,12

PIANO AND ELECTRONIC KEYBOARD IV (0864)

Prerequisites: Piano and Electronic Keyboard I, II, III, or Audition

Grades: 9,10,11,12

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)

Core 40 and AHD course

One semester—1 credit

Prerequisites: None

Grades: 9,10,11,12

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)

Core 40 and AHD course

Two semesters – 2 credits

Successive semesters must be taken.

Prerequisites: Music Theory and Composition I

Grades: 11, 12

The expectation is that students taking this course will take the corresponding AP exam at the end of the school year. *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).

MUSIC HISTORY AND APPRECIATION (0820)

Core 40 and AHD course

One semester—1 credit

Prerequisites: None

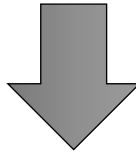
Grades: 9,10,11,12

Music History and Appreciation is based on the Indiana Academic Standards for Music and standards for this specific course. Students receive instruction designed to explore music and major musical styles and periods through understanding music in relation to both Western and Non-Western history and culture. Activities include analyzing and describing music; evaluating music and music performances; and understanding relationships between music and the other arts, as well as disciplines outside of the arts. Students will study various musical styles, including classical, blues, jazz, rock, and electronic music. Counts as a Directed Elective or Elective for all diplomas. Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma.

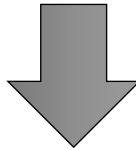
PHYSICAL EDUCATION & HEALTH COURSES

PE 1 and PE 2 to be completed by the end of 10th grade

PE 1
(Required for Graduation)



PE 2
(Required for Graduation)



PE 1 and PE 2 to be completed by the end of 10th grade

A student may then take any combination of the following courses up to 8 credits beyond PE I & PE II.

APC/APC
Cardiovascular
Development

Swimming

Advanced
Basketball

Team Sports

Physical Fitness

Dancer's Facility

Lifeguard
Training

PHYSICAL EDUCATION & HEALTH COURSE DESCRIPTIONS

PHYSICAL EDUCATION I (1122)

Core 40 and AHD

One semester—1 credit

Prerequisite: None

Suggested Grade: 9 – to be completed by the end of grade 10

This course is required for graduation. See p. 9 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)

Core 40 and AHD

One semester—1 credit

Suggested Grade: 9 – to be completed by the end of grade 10

This course is required for graduation. See p. 9 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)

Core 40 and AHD

One semester—1 credit

Prerequisite: None

Suggested Grade: 9 or 10

This course is required for graduation.

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)

One semester—1 credit

Prerequisites: PE I, PE II

Grade Levels: 10, 11, 12

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 (weight lifting, calisthenics, or plyoball training), and fitness routines similar to 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 the area of 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.

TEAM SPORTS (1145-1146)

One semester—1 credit

Prerequisite: PE I, PE II (C- or higher in both)

Grade Levels: 10, 11, 12

Team Sports 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 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.

ADVANCED PHYSICAL CONDITIONING (1197-1198)

One semester—1 credit

Prerequisites:

- C or higher at each level to advance to next level
- Must have played on an AHS, AMS North or South athletic team the previous year or have a head coach's recommendation to enroll in the class.
- Must have earned a C or better in the previous semester to remain in APC.
- Any non-athlete requesting to be in APC must have completed a semester of physical fitness, earning a C or better, and have received recommendation from the Physical Fitness teacher of record.
- Students without PE I and PE II credits completed at the end of the sophomore year will not be permitted.
- Grades: 9, 10, 11, 12

This course is for athletes who are preparing for a competitive season.

Advanced Physical Conditioning 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 designed for those students who are training specifically for an Avon High School athletic team. Activities will involve classroom work, speed and agility drills,

conditioning, and weight lifting. The classroom work will involve the history of weight training, lifting technique, spotting technique, and safety awareness. The drills will involve basic stretching, speed development, injury prevention, interval training, and weight training.

ADVANCED PHYSICAL CONDITIONING CARDIOVASCULAR DEVELOPMENT (1195-1196)

One semester – 1 credit

Prerequisites: PE I and PE II

Grade Levels: 9, 10, 11, 12

Students in this course will learn the latest trends, methods and techniques of cardiovascular development. This includes examining multiple components of fitness, learning proper stretching techniques, improving cardiovascular fitness through running and other activities, and analyzing and applying fitness principles.

ADVANCED BASKETBALL (1163-1164)

One semester—1 credit

Prerequisite: PE I, PE II (C- or higher in both)

Grade Levels: 10, 11, 12

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.

SWIMMING (1161)

One semester—1 credit

Prerequisites: PE I

Grades: 10, 11, 12

Swimming is an elective physical education course. Daily participation and proper dress is required. Failure to comply may result in removal from the course. The class is designed for students who wish to improve their swimming technique. Focus is placed on improving stroke technique and swimming conditioning. Swimming with goggles will be required.

LIFEGUARD TRAINING (1107)

One semester—1 credit

Prerequisite: PE I (C- or higher)

Grades: 9,10,11,12

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. Students must be 15 years of age by the end of the semester in which the course is taken. 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)

Prerequisites: Lifeguard Training

One semester – No credit, Paid Position

Grades: 9,10,11,12

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. 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.

THE DANCER'S FACILITY (0816)

Core 40 course

Fall Semester Only – 1 credit

A nonperformance based dance class. This class is designed for those students with a desire to enhance the cardiovascular stamina, proper alignment, balance and flexibility required to strength the dancer's facility (body). This course provides students with opportunities to achieve and increase their knowledge of anatomy, fitness routines and diets to reach optimal performance. Students will explore a variety of studies in Yoga, Pilates, Floor Barre, plyometric training and flexibility training.
Grades: 9,10,11,12

SCIENCE COURSES

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

	HONORS/AP		CORE 40	Available Electives At This Level (PREREQUISITE/S REQUIRED for ALL elective courses)
<i>9th</i>	CHEMISTRY I HONORS OR CHEMISTRY I	BIOLOGY I HONORS	BIOLOGY I	PLTW: PRINCIPLES OF BIOMEDICAL SCI. *
<i>10th</i>	**CHOOSE ONE: AP CHEMISTRY AP ENVIRONMENTAL SCIENCE PHYSICS I HONORS ANATOMY & PHYSIOLOGY HON	**CHOOSE ONE: CHEMISTRY I HONORS PHYSICS I HONORS ANATOMY & PHYSIOLOGY HON	CHOOSE ONE: INTEGRATED CHEMISTRY AND PHYSICS CHEMISTRY I PHYSICS I	ADV. SCI.: INTRO. TO FORENSIC SCIENCE ORGANIC CHEMISTRY PLTW: PRINCIPLES OF BIOMEDICAL SCI. * PLTW: HUMAN BODY SYSTEMS * ENVIRONMENTAL SCIENCE
<i>11th</i>	**CHOOSE FROM: ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. PHYSICS I HONORS	**CHOOSE FROM: 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.: 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
<i>12th</i>	**CHOOSE FROM: ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. AP PHYSICS C: ELEC. & MAG. ELECTIVES	**CHOOSE FROM: ANATOMY & PHYSIOLOGY HON AP BIOLOGY AP CHEMISTRY AP ENVIRONMENTAL SCIENCE AP PHYSICS C: MECH. AP PHYSICS C: ELEC. & MAG. ELECTIVES	ELECTIVES	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

*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 Honors, Chemistry I or Chemistry I Honors, if enrolled during 9th grade OR 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 in order to enroll in any course (both elective and required)

Department Chair: Mrs. Malari Williams

SCIENCE COURSE DESCRIPTIONS

Graduation Pathways available in this AHS Department:

Pathway/Program of Study	Example careers	Concentrator Course A	Concentrator Course B
Biomedical/Technology	Nurse, medical technician	PLTW Human Body Systems	PLTW Medical Interventions



BIOLOGY I (0921-0922)

DOE Course Number: 3024

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: None

Grades: 9

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 (0913-0914)

DOE Course Number: 3024

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: Grade of B or better in Science 8

Grades: 9

Students who enroll in these classes are expected to continue in an honors/accelerated course of study to prepare them for enrollment in AP Biology. It is expected that students who enroll in *Honors Biology* would have been successful students, receiving either an A or B in all science courses.

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. 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. While the minimum academic standards covered remain the same for Biology I and Biology 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, and assignments to be completed.

Accelerated curriculum will be used; laboratory and field investigations will be extensive, in-depth, and will be approached in an accelerated fashion. Biology Honors is recommended for students interested in careers in science, math, engineering, technology, medicine, or other related fields.

ANATOMY AND PHYSIOLOGY HONORS (0927-0928)

DOE Course Number: 5276

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: Biology I Honors, Chemistry I (may be taken concurrently)

Grades: 10, 11, 12

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: ZOOLOGY (0925)

DOE Course Number: 3092

Core 40 and AHD Course

One semester—1 credit

Prerequisite: Biology I, Chemistry I or Integrated Chemistry, Physics

Grade: 11, 12

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 Number: 3092

Core 40 and AHD Course

One semester—1 credit

Prerequisite: Biology I and Chemistry I

Grades: 11, 12

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. Students will complete a semester project over topics such as cancer, immunity, genetic testing, and genomics.

AP BIOLOGY (0915-0916)

DOE Course Number: 3020

Core 40 and AHD Life Science Course

Two semesters—1 credit per semester

Prerequisites: Biology I Honors and Chemistry I

Grades: 11, 12

The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.

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) molecules and cells; 2) genetics of organisms and heredity of traits; 3) evolution; 4) meiosis and mitosis; 5) diffusion and osmosis; 6) cellular respiration; 7) transpiration; 8) animal behavior; 9) aquatic primary productivity; 10) enzyme activity; 11) plant pigments and photosynthesis; and 12) population genetics.

AP ENVIRONMENTAL SCIENCE (0975-0976)

DOE Course Number: 3012

Core 40 and AHD Life Science Course

Two semesters—1 credit per semester

Prerequisites: 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)

Grades: 10, 11, 12

The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.

This course requires summer reading and assignments that will need to be completed prior to the start of the school year.

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 Number: 3010

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Biology I or Chemistry I or ICP

Grade: 10, 11, 12

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.

PROJECT LEAD THE WAY: PRINCIPLES OF BIOMEDICAL SCIENCES (0981-0982)

DOE Course Number: 5218

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Biology I, Biology I Honors (may be taken concurrently), Chemistry I Honors, Chemistry I, or Integrated Chemistry—Physics

Grades: 9, 10, 11

This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to 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. Activities and projects include dissection. This

course is designed to provide an overview of all the courses in the biomedical sciences program and lay the scientific foundation for subsequent courses in the PLTW program.

PROJECT LEAD THE WAY: HUMAN BODY SYSTEMS (0983-0984)

DOE Course Number: 5216

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: PLTW: Principles of Biomedical Sciences, grade of C- or better (may be taken concurrently)

Grades: 10, 11, 12

Human Body Systems is a course designed to engage students in the study of basic human anatomy and physiology and the care and maintenance required to support the complex systems. Using a focus on human health, students will employ a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress and observe the interactions between the various body systems. Students will use Manikins to build organ systems; activities and projects include dissection.

PROJECT LEAD THE WAY: MEDICAL INTERVENTIONS (0985-0986)

DOE Course Number: 5217

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: PLTW: Human Body Systems or Anatomy & Physiology*, grade of C- or better (may be taken concurrently)

Grades: 11, 12

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 the 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 (0987-0988), IVY BIOT 107 BIOMEDICAL INNOVATIONS PLTW [0987T-0988T]

DOE Course Number: 5219

Core 40 and AHD Course

Two semesters—1 high school credit per semester/4 Ivy Tech credits for the year-long course

Prerequisite: PLTW: Medical Interventions (may be taken concurrently), grade of C- or better

Grade: 12

In this PLTW capstone course, *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.

ADVANCED SCIENCE: INTRODUCTION TO FORENSIC SCIENCE (0948)

DOE Course Number: 3092

Core 40 and AHD Course

One semester—1 credit

Prerequisite: Biology I and Chemistry I

Grades: 10, 11, 12

Students who enroll should enjoy doing hands-on laboratory work through the use of lab kits.

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 Number: 3108

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: Algebra I (may be taken concurrently)

Grades: 10, 11, 12

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 ultimate goal of the course is to produce scientifically literate citizens capable of using their knowledge of physical science to solve real-world problems and to make personal, social, and ethical decisions that have consequences beyond the classroom walls. This course is for students who are not interested in pursuing a career that requires the study of chemistry or physics.

CHEMISTRY I (0951-0952)

DOE Course Number: 3064

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Geometry (any level) (may be taken concurrently) and grade of C- or higher in Biology (any level)

Grades: 9, 10, 11, 12

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

CHEMISTRY HONORS 9 (0945T-0946T)

DOE Course Number: 3064

Core 40 and AHD Course

Two semesters—1 credit per semester

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 1*

Grades: 9

Students who enroll in these classes are expected to continue in an honors/accelerated course of study to prepare them for enrollment in AP Chemistry. Math is a critical portion of this course.

Chemistry Honors 9 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 applying mathematical and reasoning skills to a laboratory setting and enhancing basic chemical concepts with advanced topics that

will be applied in AP Chemistry. While the minimum academic standards covered remain the same for Chemistry I and Chemistry 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.

This accelerated curriculum will allow students to master the concepts covered Chemistry Honors 10, but also includes concepts such as thermodynamics, kinetics, equilibrium, and electrochemistry that will not be otherwise studied in Chemistry 10 Honors or Chemistry I. Students will be expected to both implement and design experiments, analyze data, and generate error analysis reasoning based on experimental and anticipated results.

Chemistry 9 Honors is recommended for students interested in AP Chemistry to help guide them towards careers in science, math, engineering, technology, medicine, or other related fields.

CHEMISTRY HONORS 10 (0945-0946)

DOE Course Number: 3064

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Successful completion of Algebra 1 with a C- 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

Grades: 10

Students who enroll in these classes 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 is a critical portion of this course.

Chemistry Honors 10 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 9 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 10 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 10 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 Number: 3092

Core 40 and AHD Course

One semester—1 credit

Prerequisite: Chemistry I Honors with a C- or higher or teacher recommendation

Grades: 10, 11, 12

This course is designed for students who have expressed an interest in a medical, pharmacy, or chemical engineering career. Organic chemistry is the study of carbon-containing compounds and their chemical and physical properties. The organic portion of this course will study hydrocarbon nomenclature, functional groups, substituted hydrocarbons, and polymers. This course will also explore biochemistry, which is a branch of organic chemistry that studies compounds such as carbohydrates, lipids, and proteins and the chemical reactions that are involved in the synthesis, maintenance, and reproduction of living organisms.

AP CHEMISTRY (0953-0954)

DOE Course Number: 3060

Core 40 and AHD Course

Two Semesters—1 credit per semester

Prerequisites: Chemistry I Honors with a grade of B or higher (or with teacher recommendation)

Grades: 10, 11, 12

The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.

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. Summer work is assigned and due on the first day of class.

PHYSICS I (0961-0962)

DOE Course Number: 3084

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: Algebra I

Grades: 10, 11, 12

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 Number: 3084

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: B or higher in Geometry OR B or higher in Algebra II

Grade: 10, 11, 12

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.

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 Number: 3086

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Physics I or Physics I Honors with a grade of C- or better; Algebra I

Grades: 11, 12

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 interacting. Students extensively explore the unifying themes of physics, including such topics and applications of physics as: energy and momentum in two dimensions; temperature and thermal energy transfer; fluids; electricity; simple and complex circuits; magnetism; electromagnetic induction; geometric optics; particle and wave nature of light; relativity; quantum mechanics; astronomy. 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.

AP PHYSICS C: MECHANICS (0965-0966)

DOE Course Number: 3088

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Pre-Calculus or Calculus (may be taken concurrently) and completion of Physics I Honors (recommended grade of a B or higher)

Grade: 11, 12

The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.

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 Number: 3088

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: AP Physics C: Mechanics with a B+ or higher and AP Calculus (may be taken concurrently) OR AP Physics C: Mechanics and AP Calculus (may be taken concurrently)

Grade: 12

The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.

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 Number: 3044

Core 40 Course

Two semesters—1 credit per semester

Prerequisite: none

Grades: 9, 10, 11, 12 (Offered in OEC 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, land forms, and continents through geological time. Students have opportunities to gain an understanding of the history of the development of the earth and space sciences, to explore the uses of knowledge of the earth and its environment in various careers, and to cope with problems related to personal needs and social issues. Students will also investigate the disciplines of astronomy, climatology, geology, meteorology, mineralogy, and oceanography.

SOCIAL STUDIES COURSES

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

Grade Level	Honors/AP/ Dual Credit Courses	Required Core 40 Courses	Available Electives
<i>9th</i>	Honors Geography & History of the World	Geography & History of the World	Indiana Studies
<i>10th</i>	AP World History AP European History		AP World History AP European History Ethnic Studies Indiana Studies
<i>11th</i>	AP US History VU American History 139/140 AP European History AP Psychology	US History	AP European History AP Psychology Psychology Ethnic Studies Indiana Studies
<i>12th</i>	AP Economics AP Government AP European History AP Psychology	Economics Economics (Blended Learning) US Government US Government (Blended Learning)	AP European History AP Psychology Psychology Sociology Ethnic Studies Indiana Studies

Department Chair: Mr. Matthew Noble

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)

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: None

Grade: 9

This course, Honors Geography and History of the World, or World History & Civilization is required for graduation.

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 a context of world history.

HONORS GEOGRAPHY AND HISTORY OF THE WORLD (1002-1003)

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisites: Qualifying scores on various school administered assessment tests

Grade: 9

This course, Geography and History of the World, World History & Civilization is required for graduation.

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)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: None - Successful completion of Honors Geography and History of the World is recommended.

Grade: 10

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 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 the 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)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: None

Grade: 11

This course, AP US History, or VU American History is required for graduation.

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.

VU AMERICAN HISTORY 139/140 (1091-1092)

Core 40 and AHD course

Two semesters—1 high school credit per semester/3

Vincennes University credits per semester

Prerequisite (meet one of the following):

- ACT Reading score of at least 17 **and** an ACT English Score of at least 15
- PSAT/SAT Reading score of at least 21/21 **and** an PSAT/SAT Writing score of at least 22/22
- Accuplacer Reading score of at least 231 **and** an Accuplacer Writing score of at least 231

Grade: 11

The expectation is for students who choose these courses to do so for DUAL CREDIT. Each semester course is \$75 for the Vincennes University credits.

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 Vincennes University. 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)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: None; however, successful completion of AP World History is recommended.

Grade: 11

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)

Core 40 and AHD course

One semester—1 credit

Prerequisite: None

Grades: 11, 12

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)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: None—successful completion of an honors or AP science course is recommended.

Grade: 11, 12

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 the 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)

Core 40 and AHD Course

One semester—1 credit

Prerequisite: None

Grade: 12

This course, Blended Government, 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)

Core 40 and AHD Course

One semester—1 credit

Prerequisite: 2.5 GPA

Grade: 12

This course, regular U.S. Government, 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 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.

AP GOVERNMENT (1043-1044)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: None—successful completion of AP U.S. History is recommended.

Grade: 12

This course, regular U.S. Government, 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.

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.

In addition, this course prepares students for the Advanced Placement exam. There is a significant amount of analyzing and synthesizing of complex material. This course is the equivalent to a freshmen/sophomore university course. Focus will be placed on the interrelation between U.S. foreign policy implementation and domestic political pressures. The role and challenges of the U.S. in the international community will be a critical issue that will be examined in detail. The course is discussion-based with projects and papers regularly assigned.

The course content is established by the College Board.

SOCIOLOGY (1051)

Core 40 and AHD course

One semester—1 credit

Prerequisite: None

Grade: 12

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)

Core 40 and AHD Course

One semester—1 credit

Prerequisite: None

Grade: 12

This course, Blended Economics, or AP Economics is required for graduation.

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.

ECONOMICS—BLENDED LEARNING (1061B)

Core 40 and AHD Course

One semester—1 credit

Prerequisite: 2.5 GPA

Grade: 12

This course, regular Economics or AP Economics is required for graduation.

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 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 (1067-1068)

Core 40 and AHD Course

Two semesters—1 credit per semester

Prerequisite: None—successful completion of AP US History or an advanced mathematics course is recommended.

Grade: 12

This course, regular Economics or Blended Economics is required for graduation.

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.

Semester one: AP Microeconomics

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, and 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 individual and businesses.

Semester two: AP Macroeconomics

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)

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: None

Grade: 10, 11, 12

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.

ETHNIC STUDIES (1004)

Core 40 and AHD course

One semester—1 credit per semester

Prerequisite: None

Grades: 10, 11, 12

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

INDIANA STUDIES (1027)

Core 40 and AHD course

One semester—1 credit per semester

Prerequisite: None

Grades: 9,10,11,12

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

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

Biology – 2 semesters (0921G-0922G)
Earth and Space Science – 2 semesters (0933G-0934G)
Algebra I – 2 semesters (0733G-0734G)
US Government (1041G)
World History & Civilization (1013G)
US History (1021G-1022G)

Other Credited Courses

Business Math – 2 semesters (0238-0239)
Basic Skills Math – 2 semesters (0707-0708)
Peer Tutoring – Up to 2 semesters (1300)
Basic Skills Development (0703-0704)

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 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 Work Based Learning 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)

Department Chair: Mrs. Kim Pecar

SPECIAL EDUCATION-RESOURCE PROGRAM

BASIC SKILLS DEVELOPMENT (0703-0704)

One or two semesters – 1 credit per semester (8 credits maximum)

Counts as an Elective for all diplomas

Prerequisite: Teacher of Record recommendation

Grades: 9, 10, 11, 12

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.

BIOLOGY (0921G-0922G)

Two semesters – 1 credit per semester

Prerequisite: None

Grades: 9, 10

This course is an adapted biology curriculum that meets state standards for credit. *Biology I* provides for a study of the structures and functions of living organisms and their interactions with their environment. 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. This course is appropriate for students pursuing a General Diploma course of study.

UNITED STATES GOVERNMENT (1041G)

One semester – 1 credit

Prerequisite: None

Grades: 11, 12

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)

Two semesters – 1 credit per semester

Prerequisite: None

Grades: 11-12

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. Student 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 not appropriate for a student pursuing a Core 40 diploma.

WORLD HISTORY AND CIVILIZATION (1013G)

One semester – 1 credit

Prerequisite: None

Grades: 11, 12

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.

EARTH AND SPACE SCIENCE I (0933G-0934G)

Two semesters – 1 credit per semester

Prerequisite: None

Grades: 9, 10

This course is an adapted earth science curriculum that meets state standards for credit. *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. This course is appropriate for students pursuing a General Diploma course of study.

ALGEBRA I (0733G-0734G)

Two semesters – 1 credit per semester

Prerequisite: None

Grades: 9, 10

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.

BASIC SKILLS MATH (0707-0708)

Two semesters—1 credit per semester

Prerequisite: None

Grades: 9, 10

The goal of *Basic Skills Math* is to provide students with the mathematical background, skills, and thinking processes necessary for the successful completion of Algebra I. Topics include numerical and algebraic expressions, a brief review of integer operations, plotting points on the coordinate plane, solving linear equations, exponent rules, rational values/expressions, solving linear inequalities, graphing functions, solving systems of linear equations and inequalities, an introduction to polynomials, evaluating and simplifying square roots, the Pythagorean Theorem, the quadratic equation, and numerical relationships involving triangles and quadrilaterals. Basic Skills Math is offered for elective credit.

PEER TUTORING (1300)

General, Core 40, and AHD Course

One or two semesters—1 credit per semester

Counts as an Elective for all diplomas

Prerequisites: Selection Process/Teacher Approval

Grade Level: 10, 11, 12

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 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. 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)

Two Semesters—1 unit per semester

Prerequisite: None

Grades: 9, 10

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 PERSONAL FINANCIAL RESPONSIBILITIES (0211A)

One or two Semesters— 1 unit

Prerequisite: Applied Algebra

Grades 11, 12

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)

Two Semesters - 1 unit per semester

Prerequisites: None

Grades: 9, 10

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)

Two Semesters – 1 unit per semester

Prerequisites: None

Grades: 11, 12

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)

One Semester - 1 unit

Prerequisites: None

Grades: 9, 10

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)

One Semester – 1 unit

Prerequisite: Applied Prep for College and Career

Grades: 11, 12

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)

One Semester—1 unit

Prerequisite: None

Grades: 11, 12

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)

One Semester—1 unit

Grade: 9

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)

One Semester—1 unit

Prerequisite: None

Grades: 9, 10

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)

One Semester— 1 unit

Prerequisite: None

Grades: 9, 10, 11, 12

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)

One Semester - 1 unit

Prerequisite: Applied Interpersonal Relationships

Grades: 10, 11, 12+

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)

One Semester – 1 unit

Prerequisite: None

Grades: 9, 10, 11, 12

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)

Two Semesters – 1 unit per semester

Prerequisite: None

Grades: 9, 10

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)

One Semester – 1 unit

Prerequisite: Applied Prep for College and Careers & Applied Digital Apps and Responsibilities

Grades: 11, 12

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)

Participation is Instructor Approved

Semester Participation Varies per Instructor

Prerequisite: Work Study Coordinator Approval

Grades: 11, 12

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)

One semester – 1 unit

Grades: 9, 10

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)

One semester – 1 unit

Grades 11, 12+

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)

Two semesters – 1 unit per semester

Prerequisite: None

Grades: 9, 10

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 support the process of investigation, data collection and analysis.

APPLIED UNITED STATES HISTORY (1021A-1022A)

Two semesters – 1 unit per semester

Prerequisite: None

Grades: 11-12

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)

Two semesters-1 unit per semester

Prerequisite: None

Grades: 9, 12

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)

One semester – 1 unit

Prerequisite: None

Grades: 9, 12

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)

One semester – 1 unit

Prerequisite: None

Grades: 11, 12

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 & GOVERNMENT (1013A)

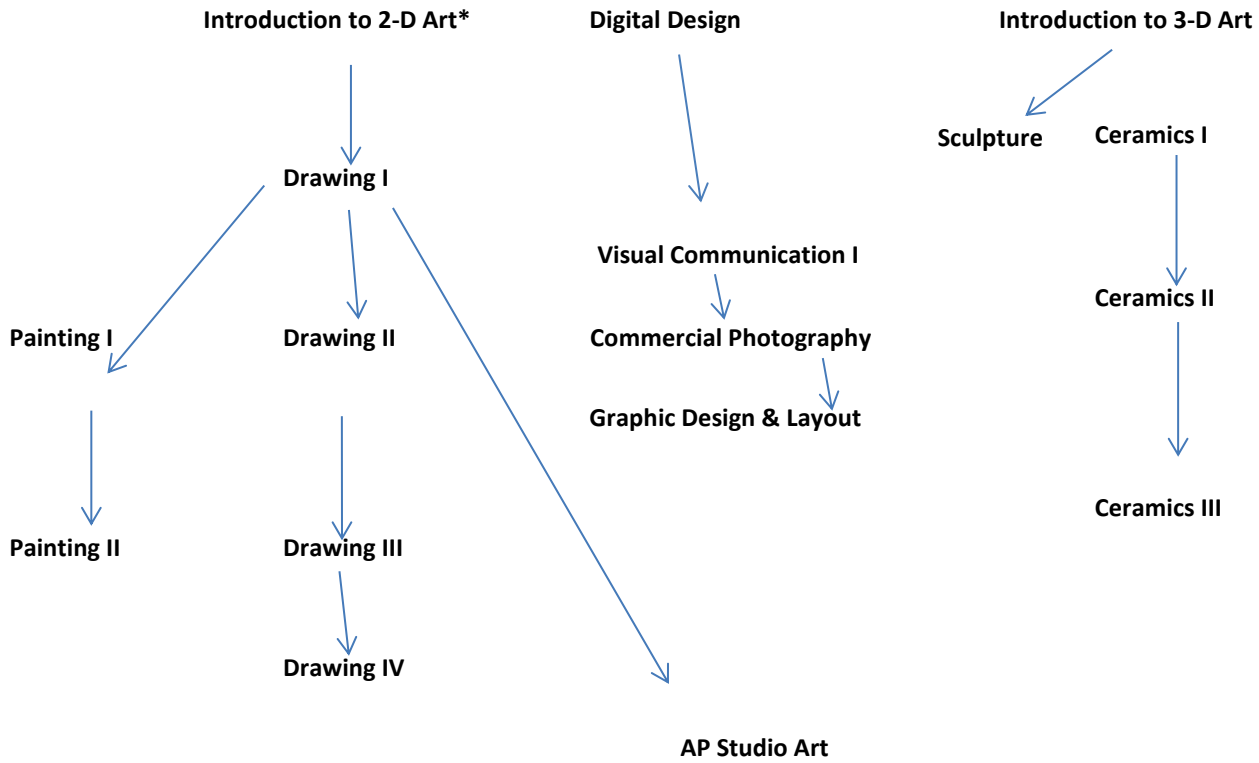
One semester – 1 Unit

Prerequisite: None

Grades: 11, 12

World History and Civilization emphasizes events and developments in the past that greatly affected large numbers of people across broad areas and that significantly influence 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



AP Studio Art

Must be a senior to take this course

Only recommended for students interested in pursuing art as a career

Additional Visual Arts Elective Course Options

AP Art History

Digital Photography

Digital Photography II

AP Digital Photography

*Effective in 2021-2022, Digital Design is the only approved prerequisite for Visual Communications I.

Department Chair: Mrs. Sarah Fowler

VISUAL ARTS COURSE DESCRIPTIONS

Graduation Pathways available in this AHS Department:

Pathway/Program of Study	Example careers	Concentrator Course A	Concentrator Course B
Commercial Photography	Commercial Photographer	Commercial Photography	Graphic Design and Layout



INTRODUCTION TO TWO-DIMENSIONAL ART (0111)

DOE Course Number: 4000
 Core 40 and AHD course
 One Semester—1 credit
 Prerequisite: none
 Grade Levels: 9,10,11,12

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.

INTRODUCTION TO THREE-DIMENSIONAL ART (0110)

DOE Course Number: 4002
 Core 40 and AHD course
 One Semester—1 credit
 Prerequisite: none
 Grade Levels: 9,10,11,12

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 (0177)

DOE Course Number: 4044
 Core 40 and AHD course
 One Semester—1 credit
 Prerequisite: Intro 3-D Art, C- or higher (Ceramics I recommended)
 Grade Levels: 10, 11, 12

This studio-based course builds on a working vocabulary and knowledge of tools, equipment and fabrication techniques explored in Introduction to 3D Art. 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 Number: 4060
 Core 40 and AHD course
 One Semester—1 credit
 Prerequisite: Intro to 2-D, C- or higher
 Grade Levels: 9,10,11,12

This class builds on the skills learned in *Intro to 2-D*. Students will be introduced to a variety drawing media and how to apply each to the paper to create realistic observational drawings. While working primarily in black and white, students will learn a variety of perception techniques, drawing styles, and methods of adding value. Exploration of the elements of art and principles of design will be incorporated into each of the projects. Students will be required to create and maintain a sketchbook throughout the semester.

DRAWING II (0147)

DOE Course Number: 4060
 Core 40 and AHD course
 One Semester—1 credit
 Prerequisite: Drawing I, C- or higher
 Grade Levels Eligible: 10, 11, 12

This class will introduce new and different techniques and subject matter from *Drawing 1*. The main focus of the semester is on portraiture and figure drawing but ending with some more conceptual themes. Students will be introduced to the use of color in drawing through means of colored pencil. Our focus will be to continue to hone in on technical skills and application of media.

DRAWING III (0149)

DOE Course Number: 4060
 Core 40 and AHD course
 One Semester—1 credit
 Prerequisite: Drawing II, C- or higher
 Grade Levels Eligible: 10, 11, 12

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.

DRAWING IV (0150)

DOE Course Number: 4060

Core 40 and AHD course

One Semester—1 credit

Prerequisite: Drawing III, C- or higher

Grade Levels Eligible: 11, 12

Drawing 4 will introduce students into the world of conceptual art making. The focus is on student creativity and idea formation from a beginning prompt to head students in a particular direction. Over the course of the semester students will be able to use a variety of media ranging from pencil to oil pastel and everything in between. Students should expect to work with their own ideas and to be able to create their own artistic answers to the prompts.

DIGITAL DESIGN (0120)

DOE Course Number: 4082

Core 40 and AHD Course

One semester - 1 credit

Prerequisites: None

Grade Levels Eligible: 9, 10, 11, 12

Graduation Pathway: Graphic Design

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. Digital Design is also the first required course for the Graphic Design graduation pathway. 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. This class relies heavily on students' progressive mastery of computer design software.

VISUAL COMMUNICATION I (GRAPHIC DESIGN I) (0148)

DOE Course Number: 4086

Core 40 and AHD course

One Semester—1 credit

Prerequisite: Digital Design, C- or higher

Grade Levels Eligible: 9, 10, 11, 12

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.

COMMERCIAL PHOTOGRAPHY (0166-0167)

DOE Course Number: 5570

Counts as Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

Dual Credit

Two Semesters. Credits: 2 (1 credit per semester)

Prerequisites: Visual Communications I, C- or higher

Grade Levels Eligible: 10, 11, 12

Graduation Pathway: Graphic Design

Note: an 8GB flash drive is strongly recommended for this course

Commercial Photography is a course that meets the requirement for the Graphic Design graduation pathway. This course involves the study of photography through portraits, commercial and industrial photography. Students will explore the role of an image in business, communication, and advertising. Instruction emphasizes the planning, development, and production of materials that visually communicate products, ideas and information. The course emphasizes the correct use of a digital SLR camera, composition, creative software editing, lighting techniques, printing techniques, and the professional presentation of developed prints, as are related to traditional photographic principles. Students can rent a camera from the school or can use their own digital SLR. Students interested in commercial photography must understand that they will be required to complete shooting assignments outside of school while under a time constraint.

AP STUDIO ART (0115-0116)

DOE Course Number: 4050

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: Art Dept. Approval (Intro to 2D Art and Drawing I recommended)

Grade: 12

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.

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 Studio 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 AP Studio 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 Number: 4064

Core 40 and AHD course

One Semester—1 credit

Prerequisite: Drawing I, C- or higher

Grade Levels Eligible: 10, 11, 12

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 Number: 4064

Core 40 and AHD course

One Semester—1 credit

Prerequisite: Painting I, C- or higher

Grade Levels Eligible: 10, 11, 12

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.

AP ART HISTORY (0113-0114)

DOE Course Number: 4025

Core 40 and AHD course

Two semesters—1 credit per semester

Prerequisite: None. Honors or AP English and social studies recommended.

Grade Levels Eligible: 10, 11, 12

The expectation is that students taking this course will take the corresponding AP exam at the end of the school year.

This course 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 explore art from Prehistory to Contemporary. Students should possess strong

writing skills, a strong interest in history and the arts, as well as the ability to read and process large amounts of text. This two semester course was created to prepare students to take the Advanced Placement Art History exam. It is highly recommended for students who are serious about continuing their art studies and all college bound students. AP Art History fulfills the entire Fine Arts requirement for the academic honors diploma.

CERAMICS I (0172)

DOE Course Number: 4040

DOE Course Number:

Core 40 and AHD course

One Semester—1 credit

Prerequisite: None, recommend Introduction to 3-D Art

Grade Levels Eligible: 10, 11, 12

This studio-oriented class enables students to creatively explore possibilities of clay work using various methods of hand built construction, wheel throwing, and glazing techniques. Emphasis will be placed upon developing skills, the proper use of techniques and equipment, and creative problem solving associated with the ceramics medium. Students will also engage in learning experiences that encompass art history, art criticism and aesthetics. Reading, writing and research are involved. This is a messy course and students must be prepared to get dirty every day.

CERAMICS II (0174)

DOE Course Number: 4040

Core 40 and AHD course

One Semester—1 credit

Prerequisite: Ceramics I, C- or higher

Grade Levels Eligible: 10, 11, 12

This studio-oriented class enables students the opportunity to further explore the possibilities of clay and to produce a variety of both sculptural and functional forms. A continued development of throwing skills on the potter's wheel, more advanced hand-building skills, and expanded glaze application will be explored in this course. Students will continue their study of art history, art criticism and aesthetics. Reading, writing and research are involved.

CERAMICS III (0176)

DOE Course Number: 4040

Core 40 and AHD course

One Semester—1 credit

Prerequisite: Ceramics II, C- or higher, and instructor approval

Grade Levels Eligible: 11, 12

This studio oriented class enables students to design works of art using creative problem-solving skills. Students will independently decide on what direction they want to continue exploring with clay creating a few of their own projects. Wheel throwing, hand built, glazing and firing

techniques will be further explored. Students will study current ceramic trends as inspiration for ideas and decoration. Reading, writing and research are involved.

DIGITAL PHOTOGRAPHY I (0164)

DOE Course Number: 4062

Core 40 and AHD course

One Semester—1 credit

Prerequisite: None

Grade Levels Eligible: 10-12

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. Students interested in photography must understand that they will be required to complete shooting assignments outside of school while under a time constraint.

DIGITAL PHOTOGRAPHY II (0165)

DOE Course Number: 4062

Core 40 and AHD course

One Semester—1 credit

Prerequisite: Digital Photography I, C- or higher

Grade Levels Eligible: 10, 11, 12

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 can use their own digital SLR. Students must complete shooting assignments outside of school while under a time constraint.

AP STUDIO ART: DIGITAL PHOTOGRAPHY (0121-0122)

DOE Course Number: 4050

Core 40 and AHD course

Two-semester—1 credit per semester

Prerequisite: Art Dept. Approval (Photography I and II strongly recommended)

Grade Level Eligible: 11, 12

The expectation is that students taking this course will turn in their portfolio for AP review at the end of the school year.

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.

GRAPHIC DESIGN AND LAYOUT (0168-0169)

DOE Course Number: 5550

Core 40 and AHD course

Two semesters—2-3 credit per semester, maximum of 6 credits

Prerequisite: Commercial Photography, C- or higher

Grade levels eligible: 11, 12

This course is necessary for pursuing a new graduation pathway in Graphic Design. This course will expand upon, integrate and apply the former knowledge developed in the Digital Design introductory course, the *Visual Communication Design* course and the *Commercial Photography* course toward the end-goal of a Graphic Design graduation pathway.

Graphic Design and Layout incorporates a variety of visual art techniques as they relate to print and digital media design and layout involving typography, illustration, and image manipulation. Students will use the design process to produce layouts, designs and illustrations for advertising, displays, promotional materials, and instructional manuals. Instruction also covers advertising theory and preparation of copy, lettering, posters, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design commercial products that impart information and ideas. Advanced instruction might also include experiences in silk screening techniques as well as activities in designing product packaging and commercial displays or exhibits.

WORLD LANGUAGE COURSES

THIS TABLE SHOWS A SUGGESTED COURSE OF STUDY. ALL FINAL DECISIONS SHOULD BE DISCUSSED WITH THE STUDENT'S GUIDANCE COUNSELOR.

GERMAN AND FRENCH [®]	SPANISH AND JAPANESE [®]
Level 1	Level 1
Level 2	Level 2 [^]
Level 3	Level 3
AP Language and Culture	Level 4
	AP Language and Culture
<i>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.</i>	

[®] 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 or Japanese in middle school may begin Spanish or Japanese Level 2 courses 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 per departmental procedure (Tests should be taken in the AHS Guidance office prior to enrollment in the desired World Language course).

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)

Core 40 elective and AHD courses

Two semesters—1 credit per semester

No prerequisites first semester; 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.

Grades: 9, 10, 11 or 12

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 German-speaking culture; 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)

Core 40 elective and AHD courses

Two semesters—1 credit per semester

Prerequisite for first semester: passing grade in both semesters of Level I study; 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. It is recommended that students earning a grade below C- do not progress to Level 3. 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.

Grades: 9, 10, 11 or 12

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)**

Core 40 elective and AHD courses

Two semesters—1 credit per semester

Prerequisite for first semester: passing grade in all semesters of Levels 1 and 2.

Recommended for first semester: a grade of C- or higher in the second semester of Level II. Students earning a grade of D+ or lower in the first semester of Level III 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.

***French and German progress to AP French/German Language and Culture**

Grades: 9, 10, 11 or 12

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 the application of language and culture to the greater community.

JAPANESE IV (0467-0468), SPANISH IV (0437-0438)

Core 40 elective and AHD courses

Two semesters—1 credit per semester

Prerequisite for first semester: passing grade in all semesters of Levels I, II and III study; 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.

Grades: 9, 10, 11 or 12

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), AP JAPANESE LANGUAGE (0477-0478)

Core 40 elective and AHD course

Two semesters—1 credit per semester

Prerequisite for first semester: passing grade in all semesters of Levels I, II, III and IV* study *(Level III for French and German); 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.

Grades: 9, 10, 11 or 12

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 (Spanish) (0401-0402)

Two semesters – 1 credit per semester

Fulfills a World Language requirement for the Core 40 with Academic Honors diploma or counts as a Directed Elective or Elective for any diploma

A Career Academic Sequence or Flex Credit course

Recommended

Prerequisites: None, or placement as determined at local level

Recommended Grade Level: 9-12

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 bi-literacy in their native language by providing opportunities to improve reading and listening comprehension, as well as writing and grammar skills. Special attention will be given to grammar and vocabulary of the standard language, as well as to the importance of biculturalism and bilingualism in the United States today. Placement of students and development of the course curriculum is dependent upon the population of students enrolled in this course.

NON-DEPARTMENTAL COURSES

JOBS FOR AMERICA'S GRADUATES (JAG) (1800-1801)

Core 40 and AHD elective

Two semester course, 1 credit per semester, 4 credits maximum

Prerequisite: counselor recommendation

Grades: 11, 12

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

LIBRARY MEDIA (1780)

Core 40 and AHD elective

One semester—1 credit

Prerequisite: None

Grades: 9,10,11,12

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.

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).

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