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$2 \mathrm{O} 23-2 \mathrm{O} 24$
Course
Catalog

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## CPHS Policies

## Audit Policy:

An audited class is an elective course not needed for high school graduation. Auditing a course would be a way for a student to pursue an interest without having it impact their GPA. The audited course will appear on the transcript but will not carry any grade or credit. In order to audit a course, a student must turn in the audit form within the first two weeks of the semester.

- Auditing students are expected to attend class, do the assigned work, take assessments, and participate in class activities.
- Student work will be evaluated and graded.
- Students may not audit a course in order to prepare for subsequent enrollment in that course.
- Students may not audit a course in order to make up work as a result of an incomplete grade.
- Audited classes cannot be used to fulfill graduation requirements.
- Schedules will not be altered to accommodate audit requests.
- Once a student begins auditing a class, requests to receive credit for the course will not be considered.
- Transcripts and report cards will reflect the audited class and grade received, but credits will not be granted. The class grade will not be included in the calculation of the student's grade point average.
- Students may audit a maximum of 2 courses per semester.


## Schedule Change Policy:

Designing your course schedule is an important process. Planning should consist of consultations with parents/guardians, school personnel, college personnel, and anyone who might provide insight to help you make informed educational decisions. Ultimately, your post-secondary goal should be the driving force when selecting courses. Once you decide on the courses you wish to take, teachers are hired to make sure that all courses have appropriate levels of staffing. Due to the staffing implications that result when changes are made to student schedules, CPHS has developed a policy to assist students with their decisions.

Student schedules may only be changed for the following reasons:

- Increase academic rigor of CORE COURSES - changes may be considered to move to a more academically challenging course
- Adjust for incorrect schedules
- Student taking a course over again
- Student took a scheduled course during summer school
- Missing graduation requirement
- Change in post-secondary study or career path
- Documented medical reasons

If any of these reasons are applicable to the change desired, schedule changes will only be made during the first 5 days of the semester.

## Level Changes:

Students are encouraged to take the most rigorous course that is commensurate with their ability level. At times, level changes need to be made. For example, a student may need to move from English 9 Honors to English 9 (or vice versa). This process will occur between weeks four (4) and six (6) of each semester. This time frame allows teachers to develop a strong understanding of a student's academic potential and ensures that students will not fall behind in the courses they are moving into. If a student/parent feels that a level change is warranted, the parent should contact the teacher to discuss the request.

## Teacher Change Policy:

Students are encouraged to work directly with their teachers to garner the most support in their courses. There may be instances where a student and/or parent requests to change a teacher due to a myriad of reasons. It is CPHS's policy that students follow our Teacher Change Policy to ensure fairness for all students and staff.

1. The student will speak to their teacher regarding struggles/issues that they are experiencing. The student and teacher will work together to try to remedy the situation.
2. If, after this conversation with the teacher, the student still feels that they would like a teacher change, the student's parent then contacts the teacher for a meeting to discuss the student's struggles and try to find ways to resolve the issues the student may be experiencing.
3. If, after this meeting with the parent and student, the student/parent still wishes to change the teacher, the student's Assistant Principal will be presented with the information from both conversations, outcomes of meetings, and will make a determination as to whether or not a teacher change is warranted.

## Early Graduation Policy:

Students who wish to graduate either a semester early (after 1st semester of senior year) or a year early (at the conclusion of junior year) need to complete a minimum of 6 total semesters in order to be eligible for early graduation. Students wishing to graduate early will need to fill out the Early Graduation Application. This application is due to the student's counselor by the 5th day of the school year to ensure that all requirements are met. In order to qualify for early graduation, students must be able to answer "yes" to both of the following statements:

- I am on track to earn the Core 40, Academic Honors or Technical Honors Diploma (minimum 25 credits)
- I have worked with my counselor to ensure that my Graduation Pathway paperwork is complete and has been submitted.
If approved, students will be placed into the remaining courses they need to finish out their high school requirements. Students who do not complete the Early Graduation Application or who are not able to answer "yes" to the above statements are not eligible to graduate early.



## Of note:

- Students must take a math or quantitative reasoning course each year of high school per the Indiana Department of Education.
- While there are no foreign language requirements for the Core 40 diploma, students wishing to attend college are encouraged to take at least 2 years of a language to help satisfy college admission requirements.
- In addition to the above diploma requirements, each student must complete a Graduation Pathway. Students will work with their counselor to achieve this pathway and complete the required paperwork.
- For Academic Honors Diploma, 3 out of the 4 required years of math must be taken at the high school level
- Each student at CPHS must also complete community service hours. Students who have attended CPHS for 4 years must complete 40 hours of community service.


## CPHS Credit Check

The CPHS Guidance Department goes through a credit check with your student every year during scheduling. During their junior and senior year, the counselors utilize the below sheet to keep track of all of a student's credits that are required for graduation or for their diploma. Families may wish to keep track of their student's credits on the below form for their own records.

Crown Point High School Credit Check
cohort: $\qquad$
Graduation Pathways:
Box 1: C40, AHD, THD
Box 2 : $\qquad$
Box 3: SAT, ACT, CTE, AP/DC, ASVAB

## - Core 40 Diploma

*Students must take a math
pr quantitative reasoning course each year of high school

- Technical Honors Diploma
- 47 total credits

DEarn 6 College/Career Prep Credits
INo grade lower than C-
Doverall GPA $=3.0$
1 of the following:
Industry Based Certification

- Pathway Dual Credits (6 college)

1 of the following:
DAny of the Additional AHD req's

- WorkKeys (R6, M6, L5)
accuplacer (w80, R90, w75)
a compass (A66, W70, R80)
- Academic Honors Diploma

047 total credits
Doverail GPA $3.0+$
DNo grades lower than C-
1 of the following:
D4 AP credits + Exams
$\square$ Dual credits ( 6 college credits)
a AP credits/exams \& dual credits (3)

- SAT $=1250$ ( 560 Math / 590 Eng)
-ACT $=26$ composite + writing


## Graduation Pathways

## *All students must complete Graduation Pathways for graduation.

## Crown Point High School

 Graduation Pathway Checklist Student Name:Cohort: $\qquad$
Students must complete all three Graduation Pathway Requirements

| Graduation Requirements | G |
| :---: | :---: |
| (1) ${ }^{\text {High School Diploma }}$ | Meet the State of Indiana requirements for a high school diploma: $\square$ General $\square$ Core 40 $\square$ Academic Honors $\square$ Technical Honors $\square$ $\mathrm{AH}+\mathrm{TH}$ |
| Learn and Demonstrate Employability Skills <br> (Student must complete at least one of the following:) <br> Examples: Being in a club, sport, morching band, etc or having your community service complete job or an internship | Student must complete one of the following: $\square$ Project-Based Learning: Working for an extended period of time to investigate and respond to an authentic, engaging, and complex question, problem, or challenge. Students engage in a rigorous, extended process of asking questions, finding resources, and applying information. Students offen make work public by explaining, displaying, and/or presenting it to people beyond the classroom. This can include completion of a research project, completion of a course capstone, an AP Capstone Assessment, or another experience as approved by the State Board of Education. <br> Description: $\qquad$ <br> Verification Product: $\qquad$ <br> $\square \square$ Service-Based Learning:Integrates meaningfut service to ennich and apply academic knowledge, teach civic and personal responsibility, and strengthen communities. This can include participation in a meaningtul volunteer or civic engagement experience, engagement in a school-based activity, such as a co-curricular or extracurricular activity or sport for at least one academic year, or another experience as approved by the State Board of Education. <br> Description: $\qquad$ <br> Verification Product: $\qquad$ $\square$ Work-Based Learning: Reinforces academic, technical, and social skills leamed in the classroom through collaborative activities with employer partners, allowing students to apply classroom theories to practical problems, explore career options, and pursue personal and professional goals. This can inctude completion of a course capstone, completion of an internship, obtaining the Governor's Work Ethic Certificate, employment outside of the school day, or another experience as approved by the State Board of Education. <br> Description: $\qquad$ <br> Verification Product: $\qquad$ |
| Postsecondary-Ready Competencies <br> (Student must complete at least one of the following:) <br> Counselors will work with each student individually on how they meet Box 3 . This may be by having your student take a standardized test, the ASVAB or taking a sequence of CTE courses. | Honors Diploma: <br> ACT College Ready Benchmarks ( 18 in English or 22 in Reading and 22 in Math or 23 in Science) English $\qquad$ or Reading $\qquad$ and Math $\qquad$ or Science $\qquad$ SAT College Ready Benchmarks ( 480 in EBRW, 530 in Math) <br> EBRW $\qquad$ Math $\qquad$ ASVAB (minimum score of 31) AFQT Score $\qquad$ State and Industry Recognized Creciential or Certification <br> Certification $\qquad$ CTE Concentrator (earn " C " average in career sequence) <br> CTE 1 $\qquad$ CTE 2 $\qquad$ CTE 3 $\qquad$ CTE 4 $\qquad$ CTE 5 $\qquad$ CTE 6 $\qquad$ <br> Grade 1 $\qquad$ Grade 2 $\qquad$ Grade 3 $\qquad$ Grade 4 $\qquad$ Grade 5 $\qquad$ Grade 6 $\qquad$ <br> GPA $\qquad$ AP/IB/Dual CreditCambridge International/CLEP Exam (eam "C" average in at least three course - at least one in core) Course 1 $\qquad$ Course 2 $\qquad$ Course 3 $\qquad$ <br> Course Grade 1 $\qquad$ Course Grade 2 $\qquad$ Course Grade 3 $\qquad$ <br> AP Test 1 $\qquad$ AP Test 2 $\qquad$ AP Test 3 $\qquad$ <br> GPA $\qquad$ Adjusted GPA $\qquad$ (adjusted due to AP tests) <br> CLEP Exams (minimum score of 50 on at least 3 subject area exams - at least one in core) Locally Created Pathway (SBOE approved) Pathway: $\qquad$ State Code: $\qquad$ Waiver from Postsecondary Readiness Competency <br> Notes: $\qquad$ |

## Dual Credit Offerings

| CPHS Course | University | Course | CTL | Credits | Total Cost | Semester/Year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Business |  |  |  |  |  |  |
| DC Mgmt. Fundamentals | IVY | BUSN 105, 201 | N | 6 | \$0.00 | Fall/Spring |
| DC Entrepreneurship | IVY | ENTR 101 | N | 3 | \$0.00 | Fall |
| DC Marketing Fund | IVY | MKTG 101, 102 | N | 6 | \$0.00 | Fall/Spring |
| DC Adv Accounting | PNW | ACC 200 | N | 3 | \$375 | Year |
| English |  |  |  |  |  |  |
| Advanced Composition DC | PNW | ENG 104 | Y | 3 | \$75.00 | Semester |
| Speech DC | PNW | COM 114 | Y |  | \$75.00 | Semester |
| Word Literature DC | PNW | ENG 231 | Y | 3 | \$75.00 | Semester (ENG 104 Pre-Req) |
| Radio \& TV II DC | USI | RTV 150 | N | 3 | \$75.00 | Year |
| Creative Writing DC | IVY | ENGL 202 | $Y$ | 3 | \$0.00 | Semester |
| Family \& Consumer Science |  |  |  |  |  |  |
| CulHos DC | IVY | HOSP 101, 102 | $N$ | 6 | \$0.00 | Fall/Spring |
| Principles of Culinary DC | IVY | HOSP 101, 102 | $N$ | 6 | \$0.00 | Fall/Spring |
| Culinary ! DC | IVY | HOSP 104, 105 | $N$ | 6 | \$0.00 | Fall/Sping |
| Early Child IDC | IVY | ECED 100, 103 | $N$ | 6 | \$0.00 | Year |
| Ed Professions IDC | IUN | EDUC F200 | N | 3 | \$75.00 | Year |
| Industrial Technology |  |  |  |  |  |  |
| Auto Technology IIDC | IVY | AUTI 131 | $N$ | 3 | \$0.00 | Year (2 Period Block) |
| Principles of Auto DC | IVY | AUTI 100, 111, 121 | $N$ | 9 | \$0.00 | Year |
| Brakes and Steering DC | IVY | AUTI 131 | N | 3 | \$0.00 | Year (2 Period Block) |
| Principles of Mach DC | VU | (possible) PMTD 110, 110L, 105 | N | 9 | \$0.00 | Year |
| Machining II | VU | PMTD 120 | N | 6 | \$0.00 | Year |
| Mach Fund/Adv Mach DC | VU | PMTD 120 | $N$ | 6 | \$0.00 | Year |
| Principles of Digital Design DC | IVY | VISC 102, 115 | $N$ | 6 | \$0.00 | Year |
| Intro to Eng. Design DC | IVY | DESN 101 | N | 3 | \$0.00 | Year |
| Principles of Engineering DC | IVY | DESN 104 | N | 3 | \$0.00 | Year (DESN 101 Pre-Req) |
| Civil Eng \& Architecture DC | IVY | DESN 105 | $N$ | 3 | \$0.00 | Year (DESN 104 Pre-Req) |
| Principles of Construction DC | IVY | BCTI 100 | $N$ | 3 | \$0.00 | Year |
| General Carpentry DC | IVY | BCTI 101, 102 | $N$ | 9 | \$0.00 | Year |
| Construction Trades \|| DC | IVY | BCTI 101, 102 | $N$ | 9 | \$0.00 | Year |
| Mathematics |  |  |  |  |  |  |
| Pre-Calculus DC | IUN | M125 | Y | 3 | \$75.00 | 1st Semester |
| Trigonometry DC | IUN | M126 | Y | 3 | \$75.00 | 2nd Semester |
| Finite Mathematics DC | IUN | M118 | Y | 3 | \$75.00 | Year |
| Science |  |  |  |  |  |  |
| Anatomy \& Physiology DC | IUN | PHSL P130 + BIOL N213 | Y | 5 | \$125.00 | Year |
| ACP Chemistry H DC | IUN | C101, 121 | Y | 5 | \$125.00 | Year |
| Medical Terminology DC | IVY | HLS 101 | Y | 3 | \$0.00 | Year |
| Physics DC | IUN | PHY 101 | N | 3 | \$75.00 | Year |
| Bioiogy II DC | IUN | BIO L100 | Y | 5 | \$125.00 | Year |
| Social Studies |  |  |  |  |  |  |
| Government DC | PNW | POLS 10100 | Y | 3 | \$75.00 | Semester |
| Economics DC | PNW | ECON 251 | Y | 3 | \$75.00 | Semester |
| US History DC | PNW | HIST-H 151 | Y | 3 | \$75.00 | Fall |
| US History DC | PNW | HIST-H 152 | Y | 3 | \$75.00 | Spring |
| World Language |  |  |  |  |  |  |
| APIDC Spanish IV | IUN | SPAN-S 200 | Y | 3 | \$75.00 | Year |
| Key: $\quad \begin{array}{ll}V U=\text { Vincennes } U n \\ & U S I=\text { University of }\end{array}$ | versity Southem Indiana | IUN = Indiana Univers PNW = Purdue North | sity N west |  | IVY = Ivy Tech *DC Partners | munity College <br> d CTL subject to change |

- DC course partnership/offering(s) listed in this course selection guide are subject to change and requirements (GPA, grade level...) may need to be met in order to be eligible to earn dual credits.
- Dual credit offerings are subject to change based on agreements with each college/university and/or CPHS credentialing.
- The colleges CPHS partners with have requirements that CPHS must abide by in order to allow students to earn dual credits.
- PNW: 2.0+ GPA in order to be able to sign up for dual credit
- IUB: 2.7+ GPA in order to be able to sign up for dual credit
- Ivy Tech: 11th/12th grade students must have a 2.6 GPA OR student must take and pass a Knowledge Assessment depending on specific dual credit course
- Vincennes: Dual credits are only awarded to 10th through 12th grade students
- Students who are enrolling in a dual credit course here at CPHS are creating a collegiate transcript. Changes at the high school level will also need to be dealt with on the college side (ex: dropping a dual credit class at CPHS will also require you to drop the course on the college side).
- To request dual credit transcripts, students will need to contact the registrar's office at the university that the college credit is coming from. Example: if DC Speech dual credit was earned, and that credit is coming from PNW, the student would need to contact PNW in order to get the PNW transcript proving the course was taken and earned there. The student can then ask for the transcript to be forwarded to the school(s) of their choice (note: a fee is typically associated with sending dual credit transcripts). This process is typically done at the completion of senior year.


# New Courses for 2023-2024 School Year 

Mass Media Production (7307): Completes NLPS Pathway for Radio and TV

Precision Machining Capstone (7219): Final course for Machining students beyond pathway completion

Construction Trades Capstone (7242): Final course for Construction students beyond pathway completion
Finance and Investment (5258): Completes the Banking pathway

Digital Marketing (7145): Completes the Marketing pathway

Principles of Healthcare (7168): Begins CNA/EMT pathway

Nutrition (7171): replacing Culinary I

Computer Science (7352): replacing Computer Science II

Automotive Services Capstone (7375): Final course for Auto students beyond pathway completion Child and Adolescent Development (7157): Reworking an old title and number

## CTE Pathway Sequences

Students should follow the correct cohort to determine the courses that fit within a particular pathway

## CTE Concentrator Pathways for Class of 2024

*Pathways below show the entire pathway, but in most cases, first year courses are being phased out due to the movement to Next Level Programs of Study (NLPS).

(540)



## CTE Concentrator Pathways for Class of $2025+$




Advanced Accounting (4522)
Principles of
Business
Management
$(4562)$
(4562)





Intro to

| Engineering $\&$ |
| :---: |
| Design |
| $(4812)$ |



# Course Descriptions 

## ART DEPARTMENT

*Note: All of these courses count towards the Fine Arts requirement for Academic Honors Diploma.

## AP ART HISTORY (4025)

2 semesters, 2 credits
Prerequisites: GPA of 3.0 or Teacher Rec Grade(s): 10,11,12
AP Art History engages students at the same level as an introductory college art history course. This involves critical thinking and should develop students' understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting and other media. In this course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is a fundamental tool of the Art historian, AP Art History emphasizes understanding of how and why works of Art function in a global context, considering such issues as patronage, gender, and the functions and effects of works of Art.

## AP 2D ART AND DESIGN (4050) <br> 2 semesters, 2 credits <br> Prerequisites: 4 Semesters of Art Grade(s): 11,12

AP 2D Art and Design students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions. The portfolio will have two sections: Sustained Investigation and Selected works. Sustained Investigation consists of 15 quality works that have a common theme. Students submit portfolios for evaluation at the end of the school year. Students may choose to submit: Drawing, 2-Dimensional Design, or 3-Dimensional design portfolios.

> CERAMICS I (4040)
> 1 semester, 1 credit
> Prerequisites: 2 of 3 (Intro to 2D Art/Adv 2D Art/Intro to 3D Art)
> Grade(s): 10,11,12
> Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of art in clay utilizing the processes of hand building, as well as proper glazing application for functional and non-functional pottery. Various methods and techniques will be covered including: pinch method, coil method, slab construction, and drape molds. Design and craftsmanship will be emphasized. Students will create a digital portfolio of their artworks.

CERAMICS II (4040)
1 semester, 1 credit
Prerequisites: Ceramics I
Grade(s): 10,11,12
Ceramics II is an advanced course concentrating on the medium of clay. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of art in clay utilizing the processes of molds, wheel throwing, slip and glaze techniques, and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

DRAWING I (4060)

## 1 semester, 1 credit

Prerequisites: 2 of 3 (Intro to 2D Art/Adv 2D Art/Intro to 3D Art)
Grade(s): 10,11,12
This advanced class will allow the student to develop basic drawing skills learned in 2-D Art while experiencing a wide variety of media which include graphite pencils, pen \& ink, oil pastels and colored pencils. Advanced problems in landscape, still life, portraits and figure drawing will be presented.
Students create drawings utilizing processes such as sketching, rendering, contour, gesture and perspective and use a variety of media. Students will create a digital portfolio of their artworks.

## DRAWING II (4060)

1 semester, 1 credit
Prerequisites: Drawing I
Grade(s): 10,11,12
This is an advanced class that will allow the student to further develop drawing skills learned in 2-D Art and Drawing I. This class will continue to use a wide variety of media which include graphite pencils, pen \& ink, pastels, oil pastels, colored pencils and mixed media. Advanced problems in landscape, still life and portraits will also be explored. Students create drawings utilizing processes such as sketching, rendering, contour, gesture and perspective and use a variety of media. Students will create a digital portfolio of their artworks. The artwork created in this class is suitable for inclusion in a portfolio for admittance to an art school or university art program.

INTRODUCTION TO 2D ART (4000)
1 semester, 1 credit
Prerequisites: None
Grade(s): 9,10,11,12
Introduction to 2D Art will prepare the student for success in CPHS advanced Art classes. This course is also a beginning visual art course for the student who is seeking a well-rounded introduction to visual arts with an academic approach. This course provides the students with opportunities to: explore art history; understand and apply the Elements of Art and Principles of Design; create meaningful artworks that investigate multiple methods, materials and techniques; compose thoughtful written critiques; and use visual thinking skills to discuss the aesthetic nature of art. Emphasis will be placed on students developing visual awareness and craftsmanship as it relates to their artwork. This course will provide an overview of digital portfolio development of prior learning and on-going learning in the visual arts.

> ADV 2D ART(4004) 1 semesters, 1 credits
> Prerequisites: Intro to 2D Art Grade(s): $9,10,11,12$

Students in this course build on the sequential learning experiences of Introduction to 2D Art that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

INTRODUCTION TO 3D ART (4002)
1 semester, 1 credit
Prerequisites: None
Grade(s): 9,10,11,12
This is an introductory art class concentrating on 3D artworks dealing with height, width and depth. Students will exclusively produce works of art using a variety of three-dimensional medium with a concentration on relief sculptures and sculptures in the round. This course provides students with opportunities involving the additive and subtractive methods of 3D production. Students will experiment with numerous methods, techniques and materials such as: printmaking, balsa foam, plaster, wire, clay, glass etching, mixed medium, recycled materials, tie-dye, etc. This course will provide an overview of digital portfolio development of prior learning and on-going learning in the visual arts.

## JEWELRY (4042)

## 1 semester, 1 credit

Prerequisites: 2 of 3 (Intro to 2D Art/Adv 2D Art/Intro
to 3D Art)

Grade(s): 10,11,12
Jewelry will focus on students creating functional works of art using a variety of three-dimensional media. This course gives students a hands-on introduction to the world of jewelry making. Students will learn the importance of jewelry in different cultures along with the processes of how to create quality pieces. Various methods, materials, and techniques will be covered including: paper beads, macramé, copper enameling, wire wrapping, weaving, etc. This course will provide an overview of digital portfolio development of prior learning and on-going learning in the visual arts.
to 3D Art)
Grade(s): 11,12
Painting is a yearlong advanced class intended for the serious art student who wishes to develop painting skills and techniques. Emphasis will be placed on students' visual awareness and craftsmanship as well as an awareness of art history as it relates to their artwork. Challenging problems in still life, figure study, landscape and abstract composition will also be presented. Students will create a digital portfolio of their artworks.

## BUSINESS DEPARTMENT

## PRINCIPLES OF COMPUTING (7183)

2 semesters, 2 credits
Prerequisites: Algebra I is highly recommended Grade(s): 9,10,11,12
Principles of Computing is a full-year, engaging, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of topics such as programming to design an app, the Internet, digital privacy and security, the societal impacts of computing, and many more. Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology impact the world. This course explores many of the fundamental ideas of computing so all students can understand how these concepts are transforming the world we live in. While this is an introductory course, students have the ability to earn AP credit at the conclusion of the course if they choose to do so.

## TOPICS IN COMPUTER SCIENCE (7351)(Cohort 2025+) <br> 2 semesters, 2 credits <br> Prerequisites: Principles of Computing Grade(s): 10,11,12

Topics in Comp Sci introduces the structured techniques necessary for efficient solution of business related computer programming logic problems and coding solutions into a high-level language. Students will learn the language of C++ while gaining knowledge in computer science concepts. The study of variables, selection structures, iteration structures, functions, arrays, data files and classes will be covered in this year-long course. *Counts as a Quantitative Reasoning course for all diplomas

COMPUTER SCIENCE (7352) (Cohort 2025+)
COMPUTER SCIENCE II (5236) (Cohort 2024)
2 semesters, 2 credits
Prerequisites: Principles of Computing and Topics in Comp Science or Computer Science I

Grade(s): 11,12
This course will teach students the skills of web development. All students interested in a career in IT will need to know the languages involved in this high-in-demand area. Students will learn the languages of HTML, CSS and JavaScript. Intensive laboratory applications are a component of this course and may be either school based or work based or a combination of the two.
*Counts as a Quantitative Reasoning course for all diplomas

## INFORMATION TECH SUPPORT (REPAIR) (5230)

2 semesters, 2 credits
Prerequisites: Principles of Computing, Instructor Approval
Grade(s): 11,12
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 will learn how to assemble and configure computers, install operating systems and software, and troubleshoot hardware and software problems.

## INFORMATION TECH SUPPORT II (REPAIR) (5231) 2 semesters, 2 credits

Prerequisites: Information Tech Support I
Grade(s): 11,12
Through troubleshooting hardware, software, and networks, students solve problems through a variety of real-world IT problems. Throughout the course, students communicate with other team members and document progress to fix a variety of devices.

PRINCIPLES OF BUSINESS MANAGEMENT (4562)
2 semesters, 2 credit
Prerequisites: None
Grade(s): 9,10,11,12
Principles of Business Management examines business ownership, organization principles and problems, management, control facilities, administration, financial management, and development practices of business enterprises. This course will also emphasize the identification and practice of the appropriate use of technology to communicate and solve business problems and aid in decision making. Attention will be given to developing business communication, problem-solving, and decision-making skills using spreadsheets, word processing, data management, and presentation software.

## PRINCIPLES OF ENTREPRENEURSHIP (7154)

## 2 semesters, 2 credits

Prerequisites: None
Grade(s): 9,10,11,12
Principles of Entrepreneurship focuses on students learning about their own strengths, character and skills and how their unique abilities can apply to entrepreneurship, as well as how an entrepreneurial mindset can serve them regardless of their career path. Students will learn about the local, regional and state resources and will begin to understand and apply the entrepreneurial process. The course helps students to identify and evaluate business ideas while learning the steps and competencies required to launch a successful new venture. The course helps students apply what they have learned from the content when they write a Personal Vision Statement, a Business Concept Statement, and an Elevator Pitch.

ENTREPRENEURSHIP AND NEW VENTURES CAPSTONE DC (5966) $¥$ IVY TECH 2 semesters, 2 credits
Prerequisites: Four Credits of Intro/Adv. CTE courses from the Business and Marketing Cluster Grade(s): 10,11,12
DC Entrepreneurship and New Ventures is recommended for students intending to pursue a Business degree and/or who may have aspirations of starting their own business someday. Entrepreneurship and New Ventures introduces entrepreneurship and development skills and tools critical for starting and succeeding in a new venture. Students enrolled in this course will learn first-hand how to develop a business plan necessary to learn the critical factors of value proposition, competitive advantage, venture concept, feasibility analysis, and "go to" market strategies. Additional topics of government and legal restrictions, intellectual property, franchising location, basic business accounting, raising start-up funding, sales and revenue forecasting are explored. Students opting for the dual credit option must apply to Ivy Tech and the tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (ENTR 101).

## ACCOUNTING FUNDAMENTALS (4524)

2 semesters, 2 credits
Prerequisites (Class of 2025+): Principles of Business Management; Class of 2024: None Grade(s): 9,10,11,12
Accounting Fundamentals introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems.

ADVANCED ACCOUNTING DC (4522)
2 semesters, 2 credits Prerequisites (Class of 2025+: Principles ot business Management and Accounting Fundamentals; Class
of 2024: Accounting Fundamentals Grade(s): 10,11,12
DC Advanced Accounting expands the Generally Accepted Accounting Principles (GAAP) and procedures for various forms of business ownership using double-entry accounting covered in Accounting Fundamentals. This course is designed to help students (1) understand what is in financial statements and what the statements say about a business, (2) identify the business activities that caused the amounts that appear in the statements, and (3) understand how, when and at what amount the effects of manager and employee actions will appear in the statements. Upon course completion, students should understand the role of accounting in a business, define GAAP, prepare the four basic financial statements and understand their purpose. Student grades will be reflected on both the CPHS transcript and Purdue University Northwest transcript (ACC 200).
*Counts as a Quantitative Reasoning course for all diplomas

## MANAGEMENT FUNDAMENTALS DC(7143) 2 semesters, 2 credits $\searrow$ IVY TECH

Prerequisites: Principles of Business Management Grade(s): 10,11,12
DC Management Fundamentals describes the functions of managers, including the management of activities and personnel. Describes the judicial system and the nature and sources of law affecting business. Studies contracts, sales contracts with emphasis on Uniform Commercial Code Applications, remedies for breach of contract and tort liabilities. Examines legal aspects of property ownership, structures of business ownership, and agency relationships. Students opting for the dual credit option must apply to Ivy Tech and the tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (BUSN 105, 201).

MARKETING FUNDAMENTALS DC (5914)
2 semesters, 2 credits $\downarrow$ IVY TECH Prerequisites (Class of 2025): Principles of Business Management; Class of 2024: None Grade(s): 10,11,12
DC Marketing Fundamentals provides a basic introduction to the scope and importance of marketing in a global economy. Course topics include the seven functions of marketing: promotion, channel management, pricing, product/service management, marketing planning, marketing information management, and professional selling skills. Emphasis is marketing content but will involve use of oral and written communications, mathematical applications, problem-solving, and critical thinking skills through the development of an integrated marketing plan and projects. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (MKTG 101, 102).

DIGITAL MARKETING (7145)<br>2 semesters, 2 credits<br>Prerequisites: Principles of Business Management, Marketing Fundamentals DC Grade(s): 10,11,12

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

PERSONAL FINANCE AND BANKING (7150)
2 semesters, 2 credits
Prerequisites: Principles of Business Management Grade(s): 10,11,12
Personal Finance and Banking emphasizes management of individual financial resources for growth and maintenance of personal wealth. This course covers home buying and mortgage financing, installment financing, life and health insurance, securities, commodities and other investment opportunities. Students will gain an overview of the banking industry and the financial services provided by banks for individuals and businesses.

## PERSONAL FINANCE (4540)

1 semester, 1 credit
Prerequisites: None Grade(s): 12
CPHS recommends Personal Finance to all students regardless of their college and career goals. Personal Finance teaches students the principles of managing and growing their money. Students learn how to plan and set financial goals, develop budgets, save and invest, manage a checking account, use credit wisely, select credit cards, avoid financial pitfalls, protection against identity theft, choose financial institutions, understand paychecks and taxes, and purchase insurance.

FINANCE AND INVESTMENT (5258)

## 2 semesters, 2 credits

Prerequisites: Principles of Business Management , Personal Finance \& Banking OR Accounting Fundamentals

Grade(s): 11,12
Finance and Investments addresses the need of schools in areas that have workforce demand in the finance industry. It analyzes and synthesizes high-level skills needed for a multitude of careers in the banking and investment industry. Students learn banking, investments, and other finance fundamentals and applications related to financial institutions, business and personal financial services, investment and securities, risk management products, and corporate finance.
*Counts as a Quantitative Reasoning course for all diplomas

## WORK BASED LEARNING CAPSTONE (5974) 2 semesters, 6 credits <br> Prerequisites: Preparing for College and Careers / Application Grade(s): 12

This course is offered to 12th grade students interested in specific careers that require additional degrees or certification following high school. The emphasis of this experience is on applying skills developed through instruction and learning new competencies at the internship site. The internship is tailored to the unique needs and interests of the student. Interns in this program may leave CPHS during the school day to go to the internship site. Students may also opt to attend school all day and still participate in Work Based Learning Capstone. CPHS staff will work with students on an individual basis to set-up their course schedule. Interested students should register for Internship when building their 12th grade course schedules. Students will then complete the application packet required for admission into the program. Once students are accepted to the program, they will work with coordinator(s) to secure their internship. Students must complete Preparing for College and Careers prior to the start of their senior year.

## EDUCATION DEPARTMENT

## ED PROFESSIONS I DC: INTRO TO ED/CURRICULUM IN EARLY CHILDHOOD (5048) <br>  2 semesters, 4 credits

Prerequisites: Transportation, Principles of Teaching Grade(s): 11,12
This course prepares students for employment in education-related careers. A project-based approach includes, but is not limited to: planning and guiding developmentally-appropriate activities for school-age children. Topics covered include cognitive development; personal, social and moral development; learning theories; motivation. This course is recommended for students with interest in pursuing a four-year degree in elementary or secondary education. Students can earn dual credit through IU Bloomington and Ivy Tech for this course. Student grades will be reflected on the CPHS transcript, IUB transcript and Ivy Tech transcript (IUB: EDUC F200; Ivy Tech: ECED100, 103).

## PEER TUTORING (0520)

2 semesters, 2 credits
Prerequisites: None
Grade(s): 10,11,12
Peer Tutoring provides high school students with an organized exploratory experience to assist students in kindergarten through grade twelve ( $\mathrm{K}-12$ ) through a helping relationship with their studies and personal growth and development. The course provides opportunities for the students taking the course to develop a basic understanding of individual differences and to explore career options in related fields. Peer Tutoring experiences are preplanned by the teacher trainer and any cooperating teacher under whom the tutoring is to be provided. It must be conducted under the supervision of a licensed teacher. The course provides a balance of class work relating to the development of and use of: listening skills, communication skills, facilitation skills, decision-making skills, and teaching strategies while working with exceptional learners. Students may take this course for a maximum of 2 credits.

ENGLISH 9 (1002)
2 semesters, 2 credits
Prerequisites: None

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\text { Grade(s): } 9
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English 9 integrates the study of grammar, composition, word origin, vocabulary, and literature. It emphasizes oral presentation as well as reading, writing, discussing, and listening activities to develop thinking skills. Students read novels, short stories, essays, nonfiction, poetry, a Shakespearean play, and epic poetry. Students will learn the proper writing process, master paragraph development; reinforce skills and language arts academic standards.

- ENGLISH 9 HONORS: Requiring an advanced reading level and solid knowledge of grammatical conventions, this rigorous course begins to prepare students for Advanced Placement English. Students will develop and apply analytical thinking, writing, and communication skills to engage in active, high-level learning. Participation in the classroom discussion is expected. Formal expository writing and higher-level thinking skills are utilized to analyze all genres of literature. Word-processing and presentation skills are reinforced through the use of computer software. Students will be expected to work independently and outside of class on a variety of assignments and projects. Summer reading is required.

ENGLISH 10 (1004)
2 semesters, 2 credits
Prerequisites: Testing/Teacher Rec, English 9

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\text { Grade(s): } 10
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The focus of this course is on skill building of reading comprehension and formal essay writing. Individual units emphasize fiction, nonfiction, and drama, with a focus on diverse reading comprehension skills, composition units focus on multi-paragraph essay development, timed writing, and synthesis essay writing.

- ENGLISH 10 HONORS: Designed for the accelerated English student, this course integrates the study of and provides students the opportunity to sharpen skills in language, vocabulary, literature, composition, research, independent study, and oral communication with the focus on exploring universal themes across a wide variety of genres. Students will develop, refine, and apply advanced critical and analytical thinking, writing, and communication skills in preparation for the active, high-level learning required for AP English. Discussions, papers, and projects will incorporate classroom activities such as group work, student presentations, and peer review/editing. Summer reading is required for English 10 Honors.

ENGLISH 11 (1006)

2 semesters, 2 credits
Prerequisites: Testing/Teacher Rec, English 9,10 Grade(s): 11
Through the integrated study of language, literature, vocabulary, composition, oral communication, and use of technology, English 11 continues to develop all skills as outlined in English 9 and 10. The specific body of literature is primarily American Literature. Literature study develops an understanding of the relationship between literature and culture as well as an awareness of the individual's identity within that culture. Students will use reference tools for research, and use technology to create projects and develop necessary skills. Technical and professional writing formats, which include personal and business correspondence; academic writing formats, which include literary analysis, informative and persuasive essays; and research papers will reinforce correct grammar and mechanics.

## AMERICAN LITERATURE (1020)

## 2 semesters, 2 credits

Prerequisites: Testing/Teacher Rec, English 9,10 Grade(s): 11
This course integrates a progressive composition program, including documented literary responses, with a study of select American poetry and prose from Romanticism to Postmodernism. This course is intended for students planning to go to a 4-year college or university and is a rigorous study of American Literature, with an analysis of some of the most impacting writings from America's history.

## AP ENGLISH LITERATURE/COMPOSITION (1058)

2 semesters, 2 credits
Prerequisites: Testing/Teacher Rec, English 9,10 Grade(s): 11
AP English Literature and Composition is a rigorous two-semester course intended for the serious, accelerated student. Through careful reading, critical analysis of imaginative literature, and extensive writing, students will deepen their understanding of the ways writers use language to provide both meaning and interest for their readers. After intensively studying the increasingly global literary works recommended by College Board, the student will be encouraged to take the AP English Literature and Composition AP test for possible college credit. Summer reading is required.

## ENGLISH 12 (1008)

## 2 semesters, 2 credits

Prerequisites: Testing/Teacher Rec., English 9,10,11 Grade(s): 12
This course emphasizes critical reading of various types of literature with a focus on building discussion and writing skills. Students will examine a variety of texts from different time periods and genres to identify the intended audiences and purposes for writing, as well as practicing various styles of writing (including but not limited to: narrative, expository, persuasive/argumentative, literary response, research and letter writing). This course is intended for students who are preparing for college or workforce entrance but are not yet ready for the rigor of dual credit, college-level English courses.

- English 12 Online: Students who can learn independently through computer integration may opt to take English 12 Online. Must complete CP2.0 Orientation in Buzz to take the course online.

ADVANCED COMPOSITION I DC(1098)
1 semester, 1 credit Prerequisites: Testing/Teacher Rec, English 9,10,11

Grade(s): 12
This course focuses on realizing that writing involves making choices - in response to the writer's understanding of the purpose of the writing, its intended audience, and the form (or genre) the writing takes - helps writers take ownership of their work. Integrating the voices of others into a piece of writing while maintaining control over one's own ideas and purpose is a complex skill requiring comprehension, interpretation, analysis, and synthesis. Academic integrity is cultivated when writers have multiple opportunities to demonstrate it. Student grades will be reflected on both the CPHS transcript and PNW transcript (ENG 104).

## SPEECH DC (1078)

1 semester, 1 credit<br>Prerequisites: None<br>Grade(s): 11,12

Students will practice the basic principles and techniques of effective oral communication. This course includes instruction in adapting speech to different audiences and purposes. Students must make a variety of oral presentations. Elective course for 11th grade students-12th grade students may take this course as an elective or as part of their senior year English courses. Students will have the opportunity to earn dual credit with Purdue University Northwest. Student grades will be reflected on both the CPHS transcript and PNW transcript (COM 114).

WORLD LITERATURE DC (1052)
1 semester, 1 credit Prerequisites: DC Advanced Composition Grade(s): 12
DC World Literature allows students to become exposed to a wide range of texts chosen from numerous cultures and countries. When students immerse themselves within these texts, they are given the opportunity to explore and engage in a variety of world views while developing, reshaping, and/or enhancing their own. Students' intellect, opinions, and sense of perception of both each other and the world around them will be challenged through studying literature from around the world. Reading, discussing, researching, and writing about these cultural texts are linked, recursive processes rooted in curiosity; practice leads to skill. Reading, writing, and engaging in discussion over a variety of genres, both academic and non-academic, cultivates critical thinking as well as the ability to adapt to new rhetorical situations. This course aims to prepare students to enter the world as competent, compassionate, and tolerant members of society. Students must take DC Advanced Composition for dual credit and earn a C - or better in order to qualify for dual credit in DC World Literature. Student grades will be reflected on both the CPHS transcript and PNW transcript (ENG 231).

AP ENGLISH LANGUAGE/COMPOSITION (1056)

## 2 semesters, 2 credits

Prerequisites: Testing/Teacher Rec., English 9,10,11
Grade(s): 12
Advanced Placement English is a rigorous, discussion oriented two-semester course intended for the serious student. The course is essentially based on non-fiction writings but does include some fiction works as well as drama. Literature from several literary periods will be studied with heavy emphasis on class dialogue as well as reading and writing in various rhetorical modes. An opportunity is offered for concentrated focus on the student's personal writing style and presence. Designed to increase the student's literary repertoire, the student will be encouraged to take the AP English Language and Composition test for possible college credit. Summer reading is required. CREATIVE WRITING DC (1092) IN TECH
1 semester, 1 credit $\downarrow$ IVY TEM
Prerequisites: DC Comp or AP Lang with \#+ AP Score
Grade(s): 11,12
DC Creative Writing is a study and application of the rhetorical writing strategies for prose and poetry. Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing. Students complete a project, such as a short story, a narrative or epic poem, a persuasive speech or letter, a book review, a script or short play, or other creative compositions, which demonstrates knowledge, application, and writing progress in the Creative Writing course content. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (ENGL 202).

SPEECH/DEBATE (COMPETITIVE) (1070)
1 semester, 1 credit
Prerequisite: Commitment to compete in at least three Saturday tournaments

Grade(s): 11,12
This course is designed to prepare students for tournament competitions as a member of the CPHS Speech and Debate Team. Students are required to attend a minimum of three Saturday tournaments with the option to compete at up to 15 tournaments leading to the opportunity to compete at the state level. Students are introduced to all categories of competitive speech and debate before instruction is individualized based on category. Speech competitors choose from impromptu or extemporaneous speaking, informative speaking, original oratory, poetry, prose, dramatic/humorous interpretation, radio broadcast, or group discussion. Debaters choose from congress, world schools team, public forum, policy, or Lincoln-Douglas. Students should take this course first semester to prepare for events. Competitors may renew the course for the second semester to continue skill development in varsity tournaments.

## DEBATE (1070)

## 1 semester, 1 credit

Prerequisites: None
Grade(s): 11,12
This semester elective course introduces students to the basic principles involved in debate including public speaking delivery techniques, research strategies to support arguments, active listening skills to enable strategic responses, and creative writing techniques to inform or persuade an audience. Students will also examine how the media purposefully include or exclude information to sway public opinions.

IOURNALISM / ADV JOURNALISM (1080)
2 semesters, 2 credits
Prerequisites: Teacher Rec. Grade(s): 9,10,11,12
This elective course is for the student with strong English skills who enjoys writing, reading and learning about current news events. This course includes the process and application of news gathering; reporting, writing, and editing news stories along with features, sports stories, and opinion writing; the legal and ethical responsibilities involved in publication; advertising; design; and computer technology. This class is a prerequisite for those students who plan to join the newspaper staff, the Inklings.

## STUDENT MEDIA - NEWSPAPER (1086)

## 2 semesters, 2 credits

Prerequisites: Photography, Journalism/Teacher Rec. Grade(s): 10,11,12
Students must be proficient writers and have the ability to meet deadlines to succeed. This class produces the school newspaper, Inklings, including generating story ideas, reporting, writing, editing, photography, page design, financing and distribution. Students who have successfully completed the beginning journalism course, have taken honors or AP English, and have the recommendation of the newspaper adviser are encouraged to join the newspaper staff. This course requires some after school hours.
*Counts as a Fine Arts credit for Academic Honors Diploma

- STUDENT MEDIA: EDITOR: This class is for the editors of the newspaper and yearbook staff only. All aspects of publications are coordinated in this class. Student leaders are involved in managing the financial and legal aspects of newspaper or yearbook and hold meetings during this time to make editorial decisions.

STUDENT MEDIA - YEARBOOK (1086)
2 semesters, 2 credits
Prerequisites: Photography, Journalism/Teacher Rec. Grade(s): 10,11,12
Yearbook enrollment requires a willingness to learn, strong sense of responsibility, organizational skills, the ability to meet deadlines, creativity in writing, an understanding of layout and design, the ability to learn desktop publishing, and the willingness to spend time after school to complete deadlines if called upon to do so. The yearbook welcomes students with experience in photography/graphics.

- STUDENT MEDIA: EDITOR: This class is for the editors of the newspaper and yearbook staff only. All aspects of publications are coordinated in this class. Student leaders are involved in managing the financial and legal aspects of newspaper or yearbook and hold meetings during this time to make editorial decisions.


## PHOTOGRAPHY (PHOTOJOURNALISM) (4062) 1 semester, 1 credit <br> Required Material: Digital Camera/Cell Phone Camera <br> Grade(s): 9,10,11,12

This course will introduce students to the world of photography and journalism. The law, ethics and history of photography will complement the major units of study: operation and care of the camera, photo composition, journalistic photography form and function, photo manipulation, caption writing and management skills. Students will use Adobe Photoshop, the photo editing industry leader. This course is the prerequisite to yearbook production. The students will create a photo portfolio which then may be used for application submissions and various photo contests and/or scholarships. Each student is required to have access to a working camera throughout the semester.
*Counts as a Fine Arts credit for Academic Honors Diploma

PRINCIPLES OF BROADCASTING (7139)
2 semesters, 2 credits
Prerequisites: None
Grade(s): 9,10,11,12
Principles of Broadcasting provides an introduction to the fundamentals of digital production. Students will develop basic skills in digital production techniques for audio, video, studio, and field production. Provides a framework for the practical applications required to operate in front of the camera/mic and in the production field of TV and radio. Students will learn how to operate all TV and radio studio equipment and perform as talent in both mediums. Students will learn the basic operations of a radio station including programming, writing, recording, interviewing, editing, and announcing skills. Students will learn about TV production including direction, camera techniques, lighting and sound techniques, stand up talent, and editing techniques. The emphasis will be on producing short video segments using TV field production techniques and design principles. Students will research, conduct interviews, write scripts, provide talent, and edit news segments. Students will also listen to and analyze professional programs, learn about the different types of TV \& radio programming, the evolution of TV \& radio, and challenges of working in the profession.

AUDIO AND VIDEO PRODUCTION ESSENTIALS<br>(7306) (Cohorts 2025+)<br>RADIO \& TELEVISION II DC (5992) (Cohort 2024)

2 semesters, 2 credits UST
Prerequisites: Principles of Broadcasting Grade(s): 10,11,12
A continuation of Principles of Broadcasting, which provides students with opportunities to produce and broadcast weekly TV \& radio news/sports shows, commercials, short films, and segments under the CPTV media umbrella. Students will be responsible for producing weekly TV \& radio programming such as CPTV in addition to producing radio shows and local commercials. Student grades will be reflected on both the CPHS transcript and USI transcript (RTV 150).

## MASS MEDIA PRODUCTION (7307)

## 2 semesters, 2 credits

Prerequisites: Principles of Broadcasting/ Audio \& Video Production
Grade(s): 10,11,12
Mass Media Production will focus on the study of theory and practice in the voice and visual aspects of radio and television performance. In addition, this course introduces the skills used to acquire and deliver news stories in a digital media format. Students will learn how to research issues and events, interview news sources, interact with law enforcement and government officials, along with learning to write in a comprehensive news style.

# MUSIC MANAGEMENT \& PRODUCTION (4202) 

## 2 semesters, 2 credits

Prerequisites: None
Grade(s): 10,11,12
This course will provide a framework for the practical applications required to work in the music industry. Students will learn about music law, publishing, marketing, public relations, social media, imaging/branding, recording using ProTools software, live performance, sound production and sales. Students enrolled in the course with comprise the staff of Crown City Records and embark on a yearlong project where they search for musical artists to represent, represent the artists in the role of A\&R, provide imaging/branding of the artists, record the artists, copyright and publish the artists' music, publish the artists' music, and produce live shows for the artists.
*Counts as a Fine Arts credit for Academic Honors Diploma

## FAMILY \& CONSUMER SCIENCE DEPARTMENT (FACS)

## PRINCIPLES OF TEACHING (7161)(Cohorts 2025+) ADV CHILD DEVELOPMENT (5360)(Cohort 2024)

2 semesters, 2 credits

Prerequisites: None
Grade(s): 9,10,11,12
Principles of Teaching/Adv. Child Development addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The social, emotional, and physical growth of children plus parenting skills will be covered. A laboratory pre-school is a part of the learning experience each semester. Second semester addresses more complex issues of child development and early childhood education with emphasis on guiding development throughout childhood, including school age children. Topics include positive parenting, practices that promote long term well-being, guidance and intervention strategies with individuals and groups of children. Students will explore child-related careers. Authentic applications are required through school-based experiences with children. This course is recommended for any student for enrichment and as a foundation for students with interest in any child-related career or profession

# CHILD AND ADOLESCENT DEVELOPMENT (7157) 

(Cohort 2025+)
2 semesters, 2 credits
Prerequisites: Principles of Teaching Grade(s): 10,11,12
Child and Adolescent Development examines the physical, social, emotional, cognitive, and moral development of the child from birth through adolescence with a focus on the middle years through adolescence. Basic theories of child development, biological and environmental foundations of development, and the study of children through observation and interviewing techniques are explored. The influence of parents, peers, the school environment, culture and the media are discussed. An observation experience up to 20 hours may be required for completion of this course.

## PRINCIPLES OF EARLY CHILDHOOD EDUCATION (7160) <br> 2 semesters, 2 credits <br> Prerequisites: None <br> Grade(s): 9,10,11

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

EARLY CHILDHOOD EDUCATION I DC (5412)
(Cohort 2024) $\quad \underset{\text { IVY TECH }}{ }$
2 semesters, 2 credits
Prerequisites: Transportation \& Adv Child
Dev/Principles of Teaching
Grade(s): 11,12
The course takes place in the classroom and involves working with children in the community. Early Childhood education prepares students for employment in early childhood education and related services and provides the foundations for study in higher education and other child related careers. Students will be required to attend on the job experience in the community. Qualified students can earn 6 credits from Ivy Tech. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript. (ECED 100, 103).


This course prepares students for employment in education-related careers. A project-based approach includes, but is not limited to: planning and guiding developmentally-appropriate activities for school-age children. Topics covered include cognitive development; personal, social and moral development; learning theories; motivation. This course is recommended for students with interest in pursuing a four-year degree in elementary or secondary education. Qualified students can earn 3 credits from IUN. Student grades will be reflected on both the CPHS transcript and IUN transcript (EDUC F200).

INTRO TO FASHION AND TEXTILES I (5380)
1 semester, 1 credit
Prerequisites: None
Grade(s): 10,11,12
Fashion and Textiles addresses knowledge skills related to design, production, acquisition and distribution in fashion and textile arenas. Topics covered include the study of fabrics and elements of design, the correct use and care of sewing equipment, and the selection and correct fit of a commercial pattern. Each student is required to construct a garment and an additional project. *Counts as a Fine Arts credit for Academic Honors Diploma

FASHION AND TEXTILES CAREERS I (5420)

## 1 semester, 1 credit

Prerequisites: None
Grade(s): 10,11,12
Fashion and Textiles Careers I prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the fashion industry. This course builds a foundation that prepares students to enter the Fashion Careers II course. Major topics include: review of the dimensions of clothing, investigation of design elements and principles, evaluating manufacturing process, reviewing the processes from fiber production to items of clothing being worn, overall review of the textile and apparel industry, investigation of education and related careers. The course of study includes, but is not limited to: the teaching profession, the learner and the learning process, planning instruction, learning environment, and instructional and assessment strategies. Extensive field experiences in one or more classroom settings, resumes, and career portfolios are required components.
*Counts as a Fine Arts credit for Academic Honors Diploma

INTERPERSONAL RELATIONSHIPS (5364)
1 semester, 1 credit
Prerequisites: None
Grade(s): 10,11,12
Interpersonal Relationships is for anyone who wants to learn how to have better relationships with parents, siblings, friends, and/or co-workers. Interpersonal Relationships addresses the knowledge, skills, attitudes and behaviors all students need to participate in positive, caring, and respectful relationships. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is used. Topics include communication, leadership and teamwork, goal setting and decision making, preventing and managing stress and conflict. Students will learn through group activities, projects, guest speakers, lectures, literature, movies, and applications through authentic settings such as volunteer experiences.

## PREPARING FOR COLLEGE AND CAREERS (5394)

## 1 semester, 1 credit

Prerequisites: None
Grade(s): 9,10,11,12
Preparing for College and Careers addresses essential knowledge, skills, and behaviors all students need to live successfully in today's world. The focus of the course is creating a career plan to help students focus on his/her future. Topics to be addressed include communication, leadership, and management processes; exploration of personal aptitudes, interests, principles, and goals; life and career exploration and planning; examining multiple life roles and responsibilities as individuals; planning and building employability skills; transferring school skills to life and work; decision making and organizational skills. Students will engage in career procurement processes and do a few classroom presentations. This is a foundational course designed to teach knowledge and life skills that are essential for ALL high school students regardless of their career cluster or pathway.

PRINCIPLES OF CULINARY ARTS AND
HOSPITALITY DC (7173) $\downarrow$ IVY TECH 2 semesters, 2 credits
Prerequisites: None Grade(s): 9,10,11,12
Principles of Culinary Arts and Hospitality is recommended for all students pursuing a graduation pathway in Culinary Arts. It is especially appropriate for students with an interest in careers related to Hospitality, Tourism, and Culinary Arts. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended. Topics include basic culinary skills in the foodservice industry, safety and sanitation, nutrition, customer relations and career investigation. Laboratory experiences that emphasize industry practices and develop basic skills are required components of this course. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (HOSP 101, 102).

## NUTRITION (7171)(Cohorts 2025+) CULINARY ARTS AND HOSPITALITY I DC (5440) (Cohort 2024) <br> 2 semesters, 2 credits <br> Prerequisites (Class of 2025+): Principles of Culinary Arts and Hospitality; Class of 2024 : None Grade(s): 11,12

Nutrition/Culinary Arts I prepares students for occupations and higher education programs of study related to the entire spectrum of in the hospitality industry. Major topics include: introduction to the hospitality industry; sanitation and safety; basic culinary skills; and food preparation techniques and applications; principles of purchasing, storage, preparation and service of food and food products. Intensive laboratory experiences with commercial applications are a required component of this course of study. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (HOSP 101, 102).

# CULINARY ARTS (7169) (Cohorts 2025+) 

CULINARY ARTS AND HOSPITALITY II DC:

## CULINARY (5346) (Cohort 2024)

2 semesters, 2 credits $\downarrow$ IVY TECH
Prerequisites: Culinary Arts \& Hospitality I DC/ Nutrition Grade(s): 11,12
Culinary Arts/ Culinary Arts and Hospitality II DC: Culinary prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the food industry, including (but not limited to) food production and services; food science, dietetics, and nutrition; and baking and pastry arts. Major topics for this advanced course include: basic baking theory and skills, introduction to breads, introduction to pastry arts, nutrition, nutrition accommodations and adaptations, cost control and purchasing. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (HOSP 104, 105)

INTRO TO CULINARY ARTS \& HOSPITALITY (5438)

## 1 semester, 1 credit

Prerequisites: None
Grade(s): 12
The class is an exploratory/project-based class, not connected to a Graduation Pathway. The class will teach basic life skills in the kitchen focusing on food preparation, safety, sanitation and career investigation.

## INDUSTRIAL TECHNOLOGY DEPARTMENT

## PRINCIPLES OF AUTOMOTIVE SERVICES DC(7213) <br> 2 semesters, 2 credits $¥$ IVY TECH

Prerequisites: None
Grade(s): 9,10,11,12
This course gives students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive industry. Students will study the maintenance and light repair of automotive systems. Also, this course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (AUTI 100, 111, 121).
*Counts as a Quantitative Reasoning course for all diplomas

BRAKE SYSTEMS DC (7205) \& STEERING AND SUSPENSIONS DC (7212) (Cohorts 2025+)
AUTO SERVICES TECHNOLOGY II DC(5546)
(Cohort 2024)
2 semesters, 4 credits $\Psi$ IVY TECH
Prerequisites: Principles of Automotive Services DC Grade(s): 10,11,12
This class is an advanced class for those interested in automotive technology. Students will be studying engine repair, engine performance, brake systems, and suspension/steering. The program will help students prepare for areas of NATEF certification as specified by the National Institute for Automotive Service Excellence (ASE). The inner workings of a service repair shop will also be explored. This course will have more hands-on application and school-to-work experience than the one-hour course. National certifications will also be taken during this class. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (AUTI 131).

## AUTOMOTIVE SERVICES CAPSTONE (7375)

 2 semesters, 2 creditsPrerequisites: Principles of Automotive, Brake Systems and Steering \& Suspensions Grade(s): 11,12
This course further explores important skills and competencies within the Automotive Service Technology Pathway. Topics such as Steering \& Suspension, Engine Repair, Climate Control, and Driveline Service.

PRINCIPLES OF DIGITAL DESIGN (7140)
2 semesters, 2 credits
Prerequisites: None
Grade(s): 9,10,11,12
This course introduces students to fundamental design theory and fundamental computer graphics in visual communications. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. This course will include basic computer terminology and use, mastering fundamental skills, and developing efficient working styles. These skills are further developed through work with vector-based, raster-based, and page layout software used in the professional visual communications industry.

## DIGITAL DESIGN GRAPHICS DC (7141) AND GRAPHIC DESIGN AND LAYOUT DC (5550)(Cohorts 2025+) DC GRAPHIC IMAGING TECHNOLOGY II (5572) (Cohort 2024) 2 semesters, 4 credits $\forall$ IVY TECH

 Prerequisites: Principles of Digital Design Grade(s): 10,11,12This course will further enhance the students' learning experiences in pre-press, offset press and finishing operations. Emphasis will be placed on advanced elements of design and layout leading to computerized electronic image generation, multi-color plate preparation, and multi-color offset press operations, and advanced finishing techniques. Advanced Photoshop and Illustrator projects as well as multi-color textile screen printing, complex and rotary laser engravings, sublimation, contour cutting vinyl, wide format printing, UV printing, and embroidery, are additional areas of study in this course. Students may be responsible to produce, from concept through completion, products for the school corporation. A student's success in this course will strongly hinge on good attendance and the ability to work independently without distraction. Students opting for the dual credit option must apply to Ivy Tech. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (VISC 102, 115).

# GRAPHIC DESIGN \& LAYOUT (5550) <br> GRAPHIC IMAGING TECHNOLOGY IDC <br> (5550)(Cohort 2024 ONLY) $\downarrow$ IVY TECH 

2 semesters, 4 credits
Prerequisites: Principles of Digital Design Grade(s): 10,11,12
This course will further enhance the students' learning experiences in pre-press, offset press and finishing operations. Emphasis will be placed on advanced elements of design and layout leading to computerized electronic image generation, multi-color plate preparation, and multi-color offset press operations, and advanced finishing techniques. Advanced Photoshop and Illustrator projects as well as multi-color textile screen printing, complex and rotary laser engravings, sublimation, contour cutting vinyl, wide format printing, UV printing, and embroidery, are additional areas of study in this course. Students may be responsible to produce, from concept through completion, products for the school corporation. A student's success in this course will strongly hinge on good attendance and the ability to work independently without distraction. Students opting for the dual credit option must apply to Ivy Tech. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (VISC 102, 115).

## YEARBOOK PATHWAY

Yearbook students will experience the standards in the above courses through a 3-year pathway utilizing the Yearbook product as a platformto show proficiency of the IDOE Graphic Design Standards. Courses in this pathway are called:

1. Yearbook- Prin DD
2. Yearbook 2-DIG/DES
3. Yearbook 3-Des/Lay

PRINCIPLES OF PRECISION MACHINING DC (7109)
2 semesters, 2 credits
Prerequisites: None
Grade(s): 9,10,11,12
DC Principles of Precision Machining will instruct students in shop safety, industrial terminology, tools and machine tooling, measurement, and layout. Includes laboratory exercises to begin project completion of turning, milling, and grinding applications. This course incorporates certification assessment for the National Institute of Metalworking Skills Measurement, Materials and Safety, Job Planning, Bench work, and Layout Certification. Students will apply mathematics in solving engineering and design related problems in the areas of die design, fabrication, assembly, special machinery, die casting and molds. Emphasizes geometric dimensioning and applying tolerances. Students opting for the dual credit option must apply to Vincennes. Student grades will be reflected on both the CPHS transcript and Vincennes transcript (PMTD 110, 110L, 105-9 total credits). Per our dual credit partner, 9th graders are not able to earn the dual credit for this course.

PREC MACHINING FUNDAMENTALS DC (7105)
AND ADV PRECISION MACHINING DC
(7107)(Cohort 2025+) VIVIVENSES

2 semesters, 4 credits
Prerequisites: Principles of Precision Machining Grade(s): 10,11,12
This course is recommended for students who have successfully completed PMTI and are intending to pursue a machining degree, mechanical engineering degree, or enter the workforce under the educational principles and guidance of an apprenticeship program. This course is offered for students looking to pursue a career in the machining or mechanical engineering field. In this course we will review the many basic principles in machine manufacturing that were learned in PMT I and begin exploring new more complex scenarios and processes. Students will get to experience operating various pieces of machinery, using basic hand tools, using precision measurement tools, and maintaining machinery. We will embrace a strong focus on shop mathematics (including right angle trigonometry), blueprint reading, and related machine information and concepts. Students will engage in machine processes on assigned projects that will hone their previous skills, introduce them to new more challenging processes, and foster more in depth problem solving capabilities and analytical thinking. Students opting for the dual credit option must apply to Vincennes. Student grades will be reflected on both the CPHS transcript and college transcript (PMTD 120).
*Counts as a Quantitative Reasoning course for all diplomas

PRECISION MACHINING CAPSTONE (7219) (Cohort 2025+)
PRECISION MACHINING WORK BASED LEARNING (5974)

2 semesters, 1-3 credits per semester
Prerequisites: Advanced Precision Machining Grade(s): 11,12
Precision Machining Capstone is an in-depth study of skills learned in Precision Machining I, with a stronger focus on CNC setup/operation/programming. Students will be introduced to two axis CNC lathe programming and three axis CNC milling machine programming. Develops the theory of programming in the classroom with applications of the program accomplished on industry-type machines. Studies terminology of coordinates, cutter paths, angle cutting, and linear and circular interpolation. Classroom activities will concentrate on precision set-up and inspection work, as well as machine shop calculations. Students will develop skills in advanced machining and measuring parts involving tighter tolerances and more complex geometry. A continued focus on safety will also be presented.
*Counts as a Quantitative Reasoning course for all diplomas

PRINCIPLES OF CONSTRUCTION TRADES (7130)

## 2 semesters, 2 credits

Prerequisites: None
Grade(s): 9,10,11,12
Principles of Construction Trades prepares students with the basic skills needed to continue in a construction trade field. Topics will include an introduction to the types and uses for common hand and power tools, learn the types and basic terminology associated with construction drawings, and basic safety. Additionally students will study the roles of individuals and companies within the construction industry and reinforce mathematical and communication skills necessary to be successful in the construction field. Modules cover topics such as basic safety, communication skills, and introduction to construction drawings; all basic skills needed to continue education in the construction program.

CONST TRADES: GENERAL CARPENTRY DC (7123) (Cohorts 2025+)
CONSTRUCTION TRADES I DC (5580) (Cohort 2024)

2 semesters, 2 credits $\Psi$ IVY TECH
Prerequisites: Principles of Construction Trades Grade(s): 10,11,12
For those students interested in learning about the materials and processes used in the construction industry and possibly entering a career in the construction trades, construction management, or architecture, the construction trades course will provide a good foundation from which to start. Students will study about and work with concrete as used in slabs, footings and foundations. Floor, wall, and roof framing using wood, steel, and engineered materials will be practiced. Time will also be spent in learning the basics in the areas of roofing, drywall, electrical and mechanical systems, and plumbing. This course provides students with an understanding of how their home is constructed and skills with which to maintain it. Students opting for the dual credit option must apply to Ivy Tech. Student grades will be reflected on both the CPHS transcript and college transcript (BCTI 101, 102).

CONST TRADES: FRAMING AND FINISHING DC
(7122) (Cohorts 2025+)

CONSTRUCTION TRADES II DC (5578) (Cohort
2024)

2 semesters, 2 credits
Prerequisites: Construction Trades I/Const Trades: General Carpentry Grade(s): 11,12
Builds on the formation, installation, maintenance, and repair skills learned in Construction Trades I. Information on materials, occupations, and professional organizations within the industry will be covered. Students will develop basic knowledge, skills, and awareness of interior trim and the installation of drywall, moldings, interior doors, kitchen cabinets, and baseboard moldings. Students will also develop exterior finishing competencies. The course includes instruction on the installation of cornices, windows, doors and various types of sidings currently used in industry. Studies will also focus on the design and construction of roof systems and the use of framing squares for traditional rafter and truss roofing. Students opting for the dual credit option must apply to Vincennes. Student grades will be reflected on both the CPHS transcript and college transcript (BCTI 100, 101, 102).
*Counts as a Quantitative Reasoning course for all diplomas

## CONSTRUCTION TRADES CAPSTONE (7242)

## 2 semesters, 1-3 credits/semester

Prerequisite: Construction Trades: Framing and Finishing / Construction Trades II (2024) Grade(s): 11,12
The Construction Trades Capstone course covers the basics of electricity and working with concrete. ELectrical topics include National Electric Code, electrical safety, electrical circuits, basic electrical construction drawings and residential electrical services. Students may also gain an understanding of concrete properties, foundations, slab-on-grades, and vertical/horizontal framework. The course prepares students for the NCCER Carpentry FOrms Level 3 and ELectrical Level 1 certificates. *Counts as a Quantitative Reasoning course for all diplomas

INTRODUCTION TO ENGINEERING DESIGN DC
(4802)

2 semesters, 2 credits
Prerequisites: None
Grade(s): 9,10,11,12
DC Introduction to Engineering Design is a course that develops student problem solving skills using the design process. Students document their progress of solutions as they move through the design process. Students develop solutions using elements of design and manufacturability concepts. Students develop hand sketches using 2D and 3D drawing techniques by using Computer Aided Design (CAD). Students opting for the dual credit option must apply to Ivy Tech and the tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (DESN 101). *Counts as a Quantitative Reasoning course for all diplomas

PRINCIPLES OF ENGINEERING DC (5644)

## 2 semesters, 2 credits

Prerequisites: Intro to Engineering \& Desian Grade(s): 10,11,12 $\underset{Y}{ }$ IVY TECH
DC Principles of Engineering is a course that focuses on the process of applying engineering, technological, scientific and mathematical principles in the design, production, and operation of products, structures, and systems. This is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, and materials engineering. Students will engage in research, development, planning, design, production, and project management to simulate a career in engineering. The topics of ethics and the impacts of engineering decisions are also addressed. Classroom activities are organized to allow students to work in teams and use modern technological processes, computers, CAD software, and production systems in developing and presenting solutions to engineering problems. Students opting for the dual credit option must apply to Ivy Tech and the tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (DESN 104). *Counts as a Quantitative Reasoning course for all diplomas

CIVIL ENGINEERING \& ARCHITECTURE DC(5650)
2 semesters, 2 credits $\Downarrow$ IVY TECH
Prerequisites: IED (POE for dual credit)
Grade(s): 11,12
DC Civil Engineering and Architecture introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related transportation, water resources, and environmental issues. Principles of Engineering is required for this course in order to earn the dual credit. Students opting for the dual credit option must apply to Ivy Tech and the tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (DESN 105).
*Counts as a Quantitative Reasoning course for all diplomas

COMPUTER INTEGRATED MANUFACTURING
(5534)

2 semesters, 2 credits
Prerequisites: IED
Grade(s): 11,12
Computer Integrated Manufacturing is a course that applies principles of rapid prototyping, robotics, and automation. This course builds upon the computer solid modeling skills developed in Introduction of Engineering Design. Students will also be introduced to the fundamentals of robotics and how this equipment is used in an automated manufacturing environment. Students will evaluate their design solutions using various techniques of analysis and make appropriate modifications before producing their prototypes. CIM students will learn about how all of the products they use every day are manufactured-from the product design to the manufacturing processes that involve robotics and automation. Students will learn to use CAD and computer-aided manufacturing (CAM) as tools to design and create products. Finally, as part of a team, students will design, build, and program their own manufacturing system model.
*Counts as a Quantitative Reasoning course for all diplomas
(5698)

2 semesters, 2 credits
Prerequisites: IED/POE/ CIM or CEA Grade(s): 11,12
DC Engineering Design and Development is an engineering research course in which students work in teams to research, design, test and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide the team to reach a solution to the problem. The team and/or individuals communicate their solution to a panel of stakeholders at the conclusion of the course. As the capstone course in the Engineering Pathway, EDD engages students in critical thinking, problem-solving, time management, and teamwork skills. Students opting for the dual credit option must apply to Ivy Tech and the tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (DESN 195).
*Counts as a Quantitative Reasoning course for all diplomas

## MATH DEPARTMENT

ALGEBRA I (2520)<br>2 semesters, 2 credits<br>Prerequisites: None Grade(s): 9

Algebra I provides a formal development of the algebraic skill and concepts necessary for students who will take other advanced college-preparatory courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem solving situations. Topics include: properties of real numbers, solution sets, basic operations with polynomials, solving quadratic equations and systems, use of exponents.

## GEOMETRY (2532)

2 semesters, 2 credits
Prerequisites: Algebra
Grade(s): 10,11,12
Geometry provides students with experiences that deepen the understanding of shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric figures include the study of angles, lines, planes, congruent and similar triangles, trigonometric ratios, polygons, circles and spatial drawings. An understanding of proof and logic is developed.

- Geometry Honors: This course features the same concepts as Geometry but with greater depth and enrichment.

ALGEBRA II (2522)<br>2 semesters, 2 credits<br>Prerequisites: Geometry<br>Grade(s): 11,12

Algebra II is a course which expands on the topics of Algebra I and provides further development of the concept of a function. The expanded topics of the course include: theorems and algorithms of algebra, polynomials and polynomial functions, rational exponents, complex numbers, sequences and series, properties and graphs of conic sections, permutations and combinations, matrices, exponential and logarithmic functions.

- Algebra II Honors: This course features the same concepts as Algebra II, but with greater depth and enrichment.


## PRIME MATH (2595)

2 semesters, 2 credits
Prerequisites: Algebra II/ Standardized Testing Grade(s): 12
PRIME Math will include and reinforce the Alg 1, Geometry, Alg 2 and Statistics skills necessary to be ready for an entry-level college math course for non-STEM majors. This course emphasizes understanding of math concepts rather than just memorizing procedures. PRIME Math students learn the context behind the procedure: why to use a certain formula or method to solve a problem, for example. This equips students with higher-order thinking skills in order to apply math skills, functions and concepts in different situations. The content of this course is designed to enhance students' math skills so that they are ready for college-level math assignments. This course does not count towards NCAA eligibility requirements.

PRE-CALCULUS (2564)
1 semester, 1 credit
Prerequisites: Geometry/Algebra II
Grade(s): 11,12
This course blends together all of the concepts and skills that must be mastered prior to enrollment in a college-level calculus course. A functional approach provides for the integration of many trigonometric concepts plus the relationship of equations and graphs of linear, quadratic, and parametric equations, translation of axis, and vectors.

- Pre-Calculus DC: TJ

This course blends together all of the concepts and skills that must be mastered prior to enrollment in a college-level calculus course. Students opting for the dual credit option must apply to Indiana University. Student grades will be reflected on both the CPHS transcript and the IUB transcript (Math 126).

- Pre-Calculus Honors: This course features the same concepts as Pre-Calculus but with greater depth and enrichment.

PRE-CALCULUS: TRIGONOMETRY (2566)
1 semester, 1 credit
Prerequisites: Pre-Calculus
Grade(s): 11,12
Pre-Calculus: Trigonometry is the 2nd semester that follows Pre-Calculus. This course provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry provides the foundation for common periodic functions that are encountered in many disciplines, including music, engineering, medicine, finance, and nearly all other STEM disciplines. Trigonometry consists of six strands: Unit Circle; Triangles; Periodic Functions; Identities; Polar Coordinates and Complex Numbers; and Vectors. Students will advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates.

- Pre-Calculus: Trigonometry DC: IT

Students opting for the dual credit option must successfully pass DC Pre-Calculus 1st semester. Student grades will be reflected on both the CPHS transcript and the IUB transcript (Math 126).

- Pre-Calculus: Trigonometry Honors: This course features the same concepts as Pre-Calculus: Trigonometry but with greater depth and enrichment.


# AP STATISTICS (2570) 

2 semesters, 2 credits
Prerequisites: Algebra II or Algebra II Honors Grade(s): 11,12
This course introduces students to the concepts of exploratory analysis, planning and conducting studies, probability and statistical inference. This course would benefit any student whose college major requires a statistics course.
*Counts as a Quantitative Reasoning course for all diplomas.

## FINITE MATHEMATICS DC (2530)

 2 semesters, 2 creditsPrerequisites: Algebra II with Teacher Rec or Pre-Calculus (All levels) Grade(s): 12
DC Finite Mathematics is an umbrella of mathematical topics. It is a course designed for students who will undertake higher-level mathematics in college that may not include calculus. Finite Math is made up of five strands: sets, matrices, networks, optimization, and probability. The skills listed in these strands indicate what students should know and be able to do in Finite Math. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Student grades will be reflected on both the CPHS transcript and the IUN transcript (M118).

## AP CALCULUS AB (2562)

## 2 semesters, 2 credits

Prerequisites: Pre-Calculus/Trigonometry Honors Grade(s): 11,12
$A P$ Calculus $A B$ is a course which provides students with the content that has been established by the College Board. Generally, topics include: limits, continuity, derivatives, definite integrals, techniques of integration involving rational, trigonometric, logarithmic, and exponential functions. This course also includes applications of the derivative, the integral, and theory of calculus. The use of graphing technology is required.
*Counts as a Quantitative Reasoning course for all diplomas

## PERFORMING ARTS DEPARTMENT

*Note: All of the courses listed count as a fine arts credit for Academic Honors Diploma

## BEGINNING CHOIR (4182)

## 2 semesters, 2 credits

Prerequisites: None
Grade(s): 9,10,11,12
Students will be split into Beginning Treble Choir or Beginning Bass Choir. This course is open to treble voices in grades 9-12 who are taking choir for the first time in high school. Students will learn correct breathing and choral singing technique, sing in 3-4 parts, as well as learn music literacy and music theory. Students are required to perform at our 4 concerts during the year and will have opportunities to be a part of solo and ensemble and after school groups.

## INTERMEDIATE CHOIR (4186)

## 2 semesters, 2 credits

Prerequisites: None
Grade(s): 9,10,11,12
This course is open to anyone who is taking choir for the first time in high school or is not ready for the Advanced/Mixed groups. Students will be split into Intermediate Treble Choir or Intermediate Bass Choir. Students will learn correct breathing and choral singing technique, sing in 3-4 parts, as well as learn music literacy and music theory. Students are required to perform at our 4 concerts during the year and will have opportunities to be a part of solo and ensemble and after school groups.

## ADVANCED TREBLE CHOIR (4188)

 2 semesters, 2 creditsPrerequisites: 1-year high school choir/Audition Grade(s): 10,11,12
This course is open to anyone grades 10-12 who has been in choir for at least a year in high school. Freshman may be a part of this group by audition only. Students will be close to the highest level of breathing and choral singing skills, sing in 4-6 parts, as well as complete their skills in music reading and theory. This group is required to perform at all concerts, may attend other festivals, as well as attending ISSMA State Qualification contest at the end of April. Students will also have the opportunity to be a part of solo and ensemble and after school groups.

## ADVANCED MIXED CHOIR (CHORALE)(4188) 2 semesters, 2 credits

Prerequisites: 1-year high school choir/Audition Grade(s): 10,11,12
This course is open to anyone grades 10-12 who has been in choir for at least a year in high school and is singing and reading music at a college level. Freshman may be a part of this group by audition only. Students will have mastered the highest level of breathing and choral singing skills, sing in 4-9 parts, as well as mastery in music reading and theory skills. This group is required to perform at all concerts, public performances (especially during the holidays), as well as attending ISSMA State Qualification contest at the end of April. Students will also have the opportunity to be a part of solo and ensemble and after school groups.

# BEGINNING ORCHESTRA (4166) 

2 semesters, 2 credits
Prerequisites: Successful completion of middle school orchestra or director discretion Grade(s): 9,10,11,12
Beginning Orchestra is an introduction to more advanced playing concepts. Students enrolled in Beginning Orchestra would focus on continued development of technique. Concepts covered in this class would include two and three octave scales and arpeggios, shifting to and from higher and lower positions, reading literature in treble and tenor clef, rhythm and bowing studies, and musical styles. Additional concepts presented in this course would include studies in various time signatures, developing and performing with good intonation and different bow techniques. The class would demonstrate musical growth through concerts and performance.

## INTERMEDIATE ORCHESTRA (4172) 2 semesters, 2 credits

Prerequisites: Audition or director discretion Grade(s): 9,10,11,12
Students in this class continue to build on the technical and musical skills developed in elementary and middle school string classes. In addition to an emphasis on new techniques and musical knowledge, string ensemble literature of various styles are prepared and performed. Students are expected to participate in several performances and rehearsals outside the school day. This class is open to violin, viola, cello, and string bass students with prior playing experience.

ADVANCED ORCHESTRA (4174)

2 semesters, 2 credits

Prerequisites: Audition or director discretion Grade(s): 10,11,12
Students in this class continue to study advanced technical and musical skills. Additional emphasis is placed on musical understanding of different styles of classical and contemporary music. In addition to preparing and performing advanced string ensemble literature, Advanced Orchestra students participate in full symphony orchestra rehearsals and performances. Students are expected to participate in weekly evening rehearsals and several performances outside of school. This course is open to violin, viola, cello, and bass students by audition only.

## BEGINNING CONCERT BAND (4160)

## 2 semesters, 2 credits

Prerequisites: Successful completion of Middle School Band or Instructor Approval Grade(s): 9
This developmental course is open to all freshmen students who play a band instrument at an intermediate level. Emphasis is placed on tone, technique development and sight reading. Participation in the ISSMA Solo/Ensemble contest is encouraged. The band performs several times during the year. Students in this band are eligible to participate in marching band (sign up in March of 8th grade), jazz band (audition in October) or pep band (sign up in October).

INTERMEDIATE CONCERT BAND (4168)
2 semesters, 2 credits
Prerequisites: Audition/Director Discretion Grade(s): 9,10,11,12
Students will be divided into the appropriate course, $A$ or $B$, at the discretion of the director.

- Intermediate Concert Band A: Wind

Symphony: This advanced band class is available by audition, or director discretion, to CPHS students who play a band instrument at an upper intermediate to advanced level. Emphasis is placed on tone, technique development and sight-reading. Advanced performance techniques are emphasized. Participation in the ISSMA Solo/Ensemble contest is encouraged. Serious band literature is selected from a variety of periods in music history. Private lessons are highly encouraged. Students in this band are eligible to participate in marching band (sign up in March), jazz band (audition in October) or pep band (sign up in October).

- Intermediate Concert Band B: Symphonic Band: This band class is open to all CPHS students who play a band instrument at an intermediate proficiency or better. Emphasis is placed on tone, technique development and sight reading. Participation in the ISSMA Solo/Ensemble contest is encouraged. The band performs several times during the year. Students in this band are eligible to participate in marching band (sign up in March), jazz band (audition in October) or pep band (sign up in October).


## ADVANCED CONCERT BAND (4170)

2 semesters, 2 credits
Prerequisites: Audition/Director Discretion
Grade(s): 9,10,11,12
Wind Ensemble. This advanced band is considered the top concert band at CPHS. The band represents Crown Point High School in public performances and competitions. Advanced performance techniques are emphasized. Serious band literature is selected from a variety of periods of music history. Private lessons are strongly encouraged. All State Band participation is highly encouraged. This ensemble typically performs more concerts than other CPHS Concert Bands. Students in this band are eligible to participate in marching band (sign up in March), jazz band (audition in October) or pep band (sign up in October).

> | THEATRE ARTS (4242) |
| :--- |
| 1 semester, 1 credit |
| Prerequisites: None |
| Grade(s): $9,10,11,12$ |

Students taking Theatre Arts will gain knowledge and develop skills important to any beginning actor. Acting activities will include scripts reading and analysis, rehearsal, scene workshops, peer critique, and final performance. Students will hone their acting skills through multiple scene projects, theatre games, and improvisational games. Emphasis will also be placed on students learning about the history of theatre and play production.

ADVANCED THEATRE ARTS (4240)
1 semester, 1 credit
Prerequisites: Theatre Arts
Grade(s): 9,10,11,12
Instruction in this course builds upon the skills developed in the Theatre Arts course. Students will begin to explore the acting technique (audition, rehearsal, and performance) of Michael Shurtleff. They will apply their knowledge as they perform in several scenes. Students will also have the opportunity to study three classic plays. Emphasis will also be placed on studying other acting techniques by many famous teachers. Students will also gain experience in performance through theatre games and improvisational games. If the opportunity arises, students may have the opportunity to see quality local theatre. Participation in all acting projects is required.

## TECHNICAL THEATRE (4244)

## 2 semesters, 2 credits

Prerequisites: Teacher Rec. Grade(s): 11,12
Technical Theatre will be a self-directed study program. Technical Theatre instruction combines the theories of design and stagecraft with the construction and operation of the various elements of technical theatre. This course would give the students the opportunity to work hands-on in the Theatre Department on current theatrical productions, music concerts, or convocations. Students would also be working on and helping with the everyday operations of the auditorium. Projects assigned would include set design and construction light design and installation, sound design and installation, and stage management operations.

# MUSIC THEORY AND COMPOSITION (4208) 

## 1 semester, 1 credit

Prerequisites: None
Grade(s): 10,11,12
This course is open to any student wanting to expand their knowledge of music construction and composition. The information covered will include knowledge of the names of the notes, identification of notes to a piano keyboard, all major minor key signatures and scales, time signatures, note values, intervals, understanding of rhythmic figures, aural association to pitch, the ability to identify construction of music, chords and inversions, rhythmic organization, procedures for four-part writing, chord structure analysis, transposition, and aural association to musical structure.

## ELECTRONIC MUSIC (4202)

## 1 semester, 1 credit

Prerequisites: None Grade(s): 10,11,12
Students taking this course are provided with a wide variety of activities and experiences to develop skills in the use of electronic media and to incorporate current technology. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Students enter music into their computer so they can manipulate sound and/or create their own songs. Students will learn to combine music with video.

## PHYSICAL EDUCATION DEPARTMENT

PE I (3542) and PE II (3544)
2 semesters, 2 credits
Prerequisites: None
Grade(s): 9,10,11,12
Physical Education I and II continues the emphasis on health-related fitness, and developing the skills necessary for lifetime of activity. The program includes skill development and application of rules and strategies of complex difficulty in different movement forms. This includes health-related fitness activities (cardio respiratory endurance, muscular, strength and endurance, flexibility, and body composition) aerobic exercise, team sports, individual and dual sports, outdoor pursuits, aquatics, dance, and recreational games. On-going assessment will include written and health related evaluations. Swimming is a required part of the PE curriculum. Students must take both courses (3542 and 3544).

- CORE PE-ATHLETIC DEVELOPMENT
(3542/3544) This course is open to students who are involved in a CPHS athletic team. The curriculum for this course is designed to enhance the fundamental athletic skills of CPHS athletes. The program includes skill development and strategies of complex difficulty in different movement forms. This includes health-related fitness activities, cardio respiratory endurance, muscular strength and endurance, flexibility, and body composition as well as development, agility, speed and power. Swimming is a required part of the curriculum.

HEALTH AND WELLNESS EDUCATION (3506)
1 semester, 1 credit
Prerequisites: None
Grade(s): 10,11,12
Students are provided with opportunities to explore the effect of health behaviors on an individual's quality of life. This course assists students in understanding that health is a lifetime commitment by analyzing individual risk factors and health decisions that promote health and prevent disease. Students are also encouraged to assume individual responsibility for becoming competent health consumers. A variety of instructional strategies, including technology, are used to further develop health literacy.

- Health and Wellness Education (online): Students who can learn independently through computer integration may opt to take Health Online. Must complete CP2.0 Orientation in Buzz to take the course online.

ELECTIVE PE: ATHLETIC DEVELOPMENT 10-12TH GRADE (3560)
2 semesters, 2 credits
Prerequisites: PE I and PE II
Grade(s): 10,11,12
This course is specifically designed for strength training with the purpose of improving athletic performance. The important elements of athletic development; muscular strength, muscular endurance, flexibility and body composition will be the major emphasis of this course. The students in this course will be able to develop these physical attributes and incorporate them into their practices and competitions. (Non-athletes must have a current physical on file). *This course does not count as a Core PE course; it is a PE elective. Students may take a maximum of 8 elective PE credits during their time at CPHS.

ELECTIVE PE: LIFESAVING (3560)
1 semester, 1 credit
Prerequisites: PE I and PE II
Grade(s): 9,10,11,12
The purpose of this course is to instruct candidates the skills and knowledge needed to prevent and respond to aquatic emergencies. This course will permit a student to become a lifeguard and will also allow re- certification. It is designed to teach students advanced techniques in water rescue and leads to Red Cross certification in Advanced Lifesaving. NOTE: The fee for this class is relatively high due to the demands of the American Red Cross and required materials for certification. Students should be avid and strong swimmers. The Red Cross certification requires a student to be able to swim 300 yards ( 12 lengths) in under 8 minutes. Other tests of a student's swimming ability may be utilized. *This course does not count as a Core PE course; it is a PE elective. Students may take a maximum of 8 elective PE credits during their time at CPHS.

ELECTIVE PE: TEAM SPORTS (3560)
1 semester, 1 credit
Prerequisites: PE I and PE II
Grade(s): 10,11,12
Students will participate in a variety of team sports such as football, basketball, floor hockey, and diamond sports. This class is designed for students that enjoy participating in team sports in a competitive environment and have some background in athletics. Frequent competitions and tournaments will take place throughout the course. *This course does not count as a Core PE course; it is a PE elective. Students may take a maximum of 8 elective PE credits during their time at CPHS.

## ELECTIVE PE: FITNESS FOR LIFE (3560)

1 semester, 1 credit
Prerequisites: PE I and PE II
Grade(s): 10,11,12
This course is designed to provide students with opportunities to develop knowledge, skills and necessary attitudes for a lifetime of personal fitness and activity. This class is conceptually based and promotes the development and maintenance of personal fitness and problem solving throughout life. The class will include the most current fitness activities. Swimming is a required part of the PE curriculum. *This course does not count as a Core PE course; it is a PE elective. Students may take a maximum of 8 elective PE credits during their time at CPHS

## SCIENCE DEPARTMENT

BIOLOGY I (3024)
2 semesters, 2 credits
Prerequisites: None Grade(s): 9
Students will study the living things of our world. A major portion of time is spent on cell structure and function, the chemical makeup of living things, how traits are inherited, evolution / how living things change over time, growth of bacteria and other germs, how plants and animals interact with their environment, reproduction, and many other topics

- BIOLOGY HONORS: This course includes an enriched curriculum and extensive lab work. The course will emphasize writing and analysis of concepts in lab documents and on assessments. This course will require that students be motivated and persistent in their study habits to handle the fast-paced instruction and rigor that is associated with an honors course yet at the introductory level; students in this course will need to practice and study outside of class.


## FORENSIC SCIENCE/ADV. SCI SP TOPICS (3092)

## 2 semesters, 2 credits

Prerequisites: Biology ( C or better) and Chemistry ( C or better) or ICP (B or better) Grade(s): 11,12
Through the investigation of crime scene evidence, the underlying chemical, biological and physical principles employed in the analysis and interpretation of physical evidence will be emphasized. Students will use hands-on lab experiments and case studies to investigate many aspects of crime scene analysis including fingerprinting, trace evidence analysis (hair, fiber and paint), blood typing, blood spatter, DNA analysis, ballistics, anthropology, toxicology, entomology, and document analysis. Guest speakers in this field will give students insight on career opportunities that this area of study provides.

BIOLOGY II DC (3026)
2 semesters, 2 credits
Prerequisites: Biology
Grade(s): 10,11,12
DC Biology II is an advanced laboratory, field, and literature investigations-based course. Students enrolled in Biology II examine in greater depth the structures, functions, and processes of living organisms. Students also analyze and describe the relationship of Earth's living organisms to each other and to the environment in which they live. In this course, students refine their scientific inquiry skills as they collaboratively and independently apply their knowledge of the unifying themes of biology to biological questions and problems related to personal and community issues in the life sciences. Student grades will be reflected on both the CPHS transcript and the IUN transcript (BIO L100).

## MEDICAL TERMINOLOGY DC (5274)

2 semesters, 2 credits


Prerequisites: None Grade(s): 11,12
This course teaches medical terminology from an anatomical approach. Root terms are divided by each body system. The origin, a combined form, and an example of non-medical everyday usage are provided for each root term. Word associations are provided as a learning tool. Unusual and interesting information is provided in regards to each term. Root terms are combined with prefixes and suffixes as a student's learning will culminate in the interpretation of several paragraphs of medical notes. Student grades will be reflected on both the CPHS transcript and the Ivy Tech transcript (HLS 101).

# PRINCIPLES OF HEALTHCARE (7168) 

## 2 semesters, 2 credits

Prerequisites: None
Grade(s): 9,10,11
Content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.


This course involves an in-depth investigation of the structure and function of the human body. Beneficial to those students pursuing a career in medical, dental, or health related areas. All human systems will be studied and how they relate to one another. This course will require work outside of the school day in order to be successful. Student grades will be reflected on both the CPHS transcript and the IUN transcript (PHSL P130 + BIOL N213)

## ENVIRONMENTAL SCIENCE (3010)

## 2 semesters, 2 credits

Prerequisites: Biology and Integrated Chemistry-Physics
Grade(s): 11,12
Students learn and conduct experiments on biodiversity, population management, endangered species, air and water quality, and natural resources. Students will utilize many basic math skills during the course.

AP ENVIRONMENTAL SCIENCE (3012)

## 2 semesters, 2 credits

Prerequisites: Biology and Chemistry/Concurrent enrollment in Chemistry Honors DC \& Algebra II

Honors
Grade(s): 10,11,12
AP Environmental Science is a course that provides students with the scientific principles, concepts, methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students will take the end-of-course Advanced Placement test in May.
*Counts as a Quantitative Reasoning course for all diplomas

## AP BIOLOGY \& AP BIOLOGY LAB (3020)

2 semesters, 4 credits
Prerequisites: Biology,Chemistry/Testing/Teacher Rec Grade(s): 11,12
(2 Period Class) This is a college-level course of study and is recommended for those interested in pursuing careers in science, medicine, or other professional fields. The major themes of the course include: biological systems utilizing free energy and molecular building blocks to grow, reproduce and maintain dynamic homeostasis, living systems storing, retrieving, transmitting and responding to information essential to life processes, biological systems interacting and these systems' complex properties. There is a substantial amount of independent reading required. Students will take the end-of-course Advanced Placement test in May. Counts as a Quantitative Reasoning course for all diplomas

## CHEMISTRY I (3064)

2 semesters, 2 credits
Prerequisites: None
Grade(s): 10,11,12
This course deals with matter and changes of matter.
The work involves both the theoretical aspects and laboratory study of the properties and characteristics of matter. Mathematical skills from Algebra and Geometry will be utilized in problem-solving and applied to chemical theories. Counts as a Quantitative Reasoning course for all diplomas

- CHEMISTRY I HONORS DC:


Prerequisites: Concurrently enrolled in or successfully completed Algebra II. DC Chemistry Honors is a rigorous college-prep class where first year chemistry students will be able to go into greater depth in the chemistry curriculum. Students should plan for an average of 30 minutes a day of work outside the classroom. Students can earn dual credits through Indiana University. Students opting for the dual credit option must apply to Indiana University. Student grades will be reflected on both the CPHS transcript and IUN transcript (C101, 121). Counts as a Quantitative Reasoning course for all diplomas

ORGANIC \& BIOCHEMISTRY HONORS / ADV. SCI
SP TOPICS (3092)
2 semesters, 2 credits
Prerequisites: Chemistry and Geometry
Grade(s): 11,12
This course is designed for students interested in careers in science or medicine who need a strong foundation in chemistry. Students enrolled in Organic \& Biochemistry Honors will study concepts introduced in first year chemistry as well as basic. Topics covered include chemical bonding, chemical reactions and quantities, solution chemistry, behavior of gasses, acids and bases, organic compound structures and reactions (alcohols, aldehydes, ketones, carboxylic acids, carbohydrates, amines, and amides), and molecules of physiological significance (amino acids, proteins, fats, lipids, enzymes, and nucleic acids). Students will learn a number of laboratory skills associated with advanced science courses such as titration, chromatography, saponification, and use of laboratory glassware.

AP CHEMISTRY (3060)<br>2 semesters, 2 credits<br>Prerequisites: Chemistry Honors DC Grade(s): 11,12

This course is comparable to the first college chemistry course taken by students working toward degrees in science, medicine, pharmacy, engineering and other technical fields; students interested in these fields are highly encouraged to take this class. The content includes: (1) structure of matter: atomic theory and structure, chemical bonding, molecular models, nuclear chemistry; (2) states of matter: gasses, liquids and solids, solutions; and (3) reactions: reaction types, stoichiometry, equilibrium, kinetics and thermodynamics. Students should expect to spend at least 6 hours per week preparing for this course outside of class.
*Counts as a Quantitative Reasoning course for all diplomas

INTEGRATED CHEMISTRY-PHYSICS (3108)
2 semesters, 2 credits
Prerequisites: Testing/Teacher Rec. Grade(s): 10,11,12
This course 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 coursework in Chemistry or Physics while enduring a mastery of the basics of each discipline. This class is not for students majoring in science in college.
*Counts as a Quantitative Reasoning course for all diplomas

## ASTRONOMY / ADV. SCI SP TOPICS (3092)

## 2 semesters, 2 credits

Prerequisites: Strong math skills Grade(s): 11,12
This is a year-long course studying the basic principles of astronomy. Topics studied in this course include: history of astronomy, tools of astronomy, planetary development, the study of celestial bodies, constellations, stellar evolution, and space explorations. This course incorporates lab investigations, videos, projects, technology based activities, and explorations in current events.

PHYSICS (3084)
2 semesters, 2 credits
Prerequisites: Concurrent enrollment in Algebra II Grade(s): 11,12
This course is for students wanting to gain a better understanding of the physical world around them through the engineering design process, project based learning, and hands-on applications. It will cover the major areas of physics: mechanics, heat, and sound, electricity/magnetism, light, and modern physics.
*Counts as a Quantitative Reasoning course for all diplomas

- PHYSICS DC

Prerequisites: enrollment in Pre-Calculus or Higher. This class is an introduction to the major area of physics, mechanics and the laws of motion, heat, sound, light and electricity. The major forces and types of energies in nature are discussed. Students are introduced to the mathematical treatment of the subjects. Students can earn dual credit through Indiana University. Student grades will be reflected on both the CPHS transcript and the IUN transcript (PHY 101) .
*Counts as a Quantitative Reasoning course for all diplomas

## AP PHYSICS C: (3088)

2 semesters, 2 credits
Prerequisites: Concurrent enrollment in Pre-Calculus or Higher
Grade(s): 11,12
This is a rigorous college level course designed for students with special interests in science or engineering fields. The course includes Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; mechanical waves and sound. It will also introduce electric circuits.
*Counts as a Quantitative Reasoning course for all diplomas

MARINE SCIENCES (3092)

## 2 semesters, 2 credits

Prerequisites: Biology with a C or higher Grade(s): 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 Marine Sciences and that address specific technological, environmental or health-related issues. Under the direction of a science advisor, students enrolled in this course will complete an end-of-course project and presentation, such as a scientific research paper or science fair project, integrating knowledge, skills, and concepts from the student's course of study. Students will study: the nature of science, the origins of oceans, water facts/physics, diving water chemistry, molecular bonding, history of Oceanography, air/sea interaction, survey of major marine phyla, plate tectonics, interrelationship between human and the ocean, ocean conservation.

## PRINCIPLES OF BIOMEDICAL SCIENCES (5218)

## 2 semesters, 2 credits

Prerequisites: Biology / concurrent enrollment in Bio Grade(s): 9,10,11,12
Principles of Biomedical Sciences is a hands-on project and problem-solving course. Student work involves the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors of the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key concepts included are: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease.

- PRINCIPLES OF BIOMEDICAL SCIENCES HONORS: This course features the same concepts, but with greater depth and enrichment. Only available to students who have already taken Biology at the 8th grade level

HUMAN BODY SYSTEMS (5216)
2 semesters, 2 credits
Prerequisites: Principles of Biomedical Sciences Grade(s): 10,11,12
Human Body Systems is a course designed to engage students in the study of basic human physiology and the care and maintenance required to support the complex systems. Using a focus on human health, students will employ a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress, and observe the interactions between the various body systems. Students will use appropriate software to design and build systems to monitor body functions.

## MEDICAL INTERVENTIONS HONORS (5217)

## 2 semesters, 2 credits

Prerequisites: Principles of Biomedical Sciences Grade(s): 11,12
Medical Interventions Honors is a course that studies medical practices including interventions to support humans in treating disease and maintaining health. Using a project-based learning approach, students will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will also study the design and development of various interventions including vascular stents, cochlear implants, and prosthetic limbs. Lessons will cover the history of organ transplants and gene therapy with additional readings from current scientific literature addressing innovative developments.

## 2 semesters, 2 credits

Prerequisites: Principles of Biomedical Sciences, Human Body Systems OR Anatomy, Medical Interventions
Grade(s): 11,12
Biomedical Innovations Honors is a capstone course designed to give students the opportunity to design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Students have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.

MARINE BIOLOGY / ADV. SCI SP TOPICS (3092)

## 1 semester, 1 credit

Prerequisites: "C or better" in Biology \& Sponsor
Approval
Grade(s): 9,10,11,12
SUMMER COURSE. Interested students should speak with their Biology teacher. Limited to 9 students who will be certified in scuba prior to the trip. Students learn marine ecology including mangrove swamps, seagrasses, and coral reefs. Students will earn an elective science credit upon completion of the course.

## SOCIAL STUDIES DEPARTMENT

GEOGRAPHY AND HISTORY OF THE WORLD
(1570)

2 semesters, 2 credits
Prerequisites: None
Grade(s): 9
Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions, exploration, conquest, imperialism, urbanization, and innovations and revolutions.

## AP UNITED STATES HISTORY (1562) <br> 2 semesters, 2 credits <br> Prerequisites: Testing/Teacher Rec. Grade(s): 10,11,12

AP US History is designed to provide students with the analytic skills and knowledge necessary to deal with problems in US History. AP United States History focuses on developing students 'abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance - identity; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture - provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places.Students will need to read 1-3 hours a week in a college level textbook, and they should be strong essay writers.

## UNITED STATES HISTORY (1542)

## 2 semesters, 2 credits

Prerequisites: None Grade(s): 11
US History emphasizes national development from the late 19th century into the 21st 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 US. Students are expected to trace and analyze chronological periods and examine the significant themes and concepts in US History. Students develop historical thinking and research skills to explore topical issues and to understand the cause for changes in the nation over time.

- US History DC: First semester is a study of development of American political, economic and social institutions in their geographical and environmental context from the early explorations and Colonial settlements through Reconstruction. Second semester is a study of the growth of the US from 1877 to the present. The new industrialism, agrarian problems, geographical and environmental consequences, and depression are studied. Student grades will be reflected on both the CPHS transcript and the PNW transcript (HIST-H 151, HIST-H 152)

- US History (online): This course is designed for students who are adept at working on their own with computer technology. The course requires the student to spend 5 hours per week working on the class on their own time. Must complete CP2.0 Orientation in Buzz to take the course online.


# AP GOVERNMENT (1560) 

1 semester, 1 credit
Prerequisites: Testing/Teacher Rec/ Successful completion of US History Grade(s): 11,12
AP Government is a one semester course that will provide students with an analytical perspective on government and politics in the United States. The course will contain both general information to analyze U.S. politics and specific examples in order to cover topics with detail. The course will also cover the basic components of the U.S. political system. The course will take an in depth study of the constitution while looking at issues that influenced Supreme Court decisions. Students should be able to read a college level text and write grammatically correct sentences.

AP MICROECONOMICS (1566)<br>1 semester, 1 credit<br>Prerequisites: Testing/Teacher Rec/Successful completion of US History Grade(s): 11,12

This one semester course is designed to provide students with knowledge of fundamental economic principles that relate to the individual consumer, firms, and business organizational structures. Upon completion of the class, students will understand the essentials of the "economic way of thinking" including concepts such as opportunity costs, marginal analysis, voluntary exchange, real vs. nominal principles, efficiency, market failure, factor and product markets, positive and normative analysis, externalities, cost/benefit analysis, production theories, market structures, and pricing. Students will be expected to apply conceptual, logical, mathematical, and analytical approaches to problem solving. A strong emphasis will be given to demand and supply models with a high application and understanding of graphs, tables, and critical thinking. Students should be able to read a college level text and write grammatically correct sentences. *Counts as a Quantitative Reasoning course for all diplomas

UNITED STATES GOVERNMENT (1540)

## 1 semester, 1 credit

Prerequisites: Successful completion of US History Grade(s): 11,12
Students will survey governmental systems of the United States on the federal, state and local levels. Emphasis is on the organization, composition and implementations of the American system of government including the social, philosophical, and economic foundations of a democratic state. Topics in this course are: nominations and elections, political parties, Congress, the Presidency, the national judiciary, and federal bureaucracy. Students will be required to take the Naturalization test at the conclusion of the semester.

- GOVERNMENT DC:

DC Government is designed to provide students with the analytic skills and knowledge necessary to deal with problems in the United States Government. Students will develop an understanding of the essential structures and processes of the government of the United States. Our purpose is to discover the what, how, and why of the American government, not make moralistic judgments about politicians or parties. This course is primarily test-based. Students will be required to take the Naturalization test at the conclusion of the semester. Students opting for the dual credit option must apply to PNW. Student grades will be reflected on both the CPHS transcript and the PNW transcript (POLS 10100).

- GOVERNMENT (Online): Online Government is designed for students who are adept at working on their own. The course requires the student to spend 5 hours per week working on the class. Students will be required to take the Naturalization test at the conclusion of the semester. Must complete CP2.0 Orientation in Buzz to take the course online.


## ECONOMICS (1514)

## 1 semester, 1 credit

Prerequisites: Successful completion of US History Grade(s): 11,12
Students will be introduced to the fundamental concepts and theories which are basic to all economic systems. Students will study economic reasoning, pricing systems, microeconomic principles, macroeconomic principles, consumer economics, financial institutions, employment, and production. Key elements of the course include the study of scarcity and economic reasoning; supply and demand; market structures; the role of government; national economic performance; the role of financial institutions; economic stabilization; and trade. *Counts as a Quantitative Reasoning course for all diplomas

- MICROECONOMICS DC: PRM Prerequisite: 2.5 GPA, concurrent enrollment in higher level math
DC Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course analyzes economic reasoning and behaviors of consumers, producers, savers, investors, workers, voters, institutions, governments, and societies in making decisions. Students explain that because resources are limited, people must make choices and understand the role that supply, demand, prices, and profits play in a market economy. Student grades will be reflected on both the CPHS transcript and the PNW transcript (ECON 251)
*Counts as a Quantitative Reasoning course for all diplomas
- ECONOMICS (Online): Online Economics is designed for students who are adept at working on their own with computer technology. The course requires the student to spend 5 hours per week working on the class on their own time. Must complete CP2.0 Orientation in Buzz to take the course online. *Counts as a Quantitative Reasoning course for all diplomas

AP HUMAN GEOGRAPHY (1572) and GEOGRAPHY
AND HISTORY OF THE WORLD (1570)
2 semesters, 4 credits
Prerequisites: Testing/Teacher Rec. Grade(s): 9,10,11,12
AP Human Geography is a two semester course designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. The course will be developed around the five college level goals that build on the National Geography Standards developed in 1994. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by an introductory college course. Students will earn credit in both AP Human Geography AND Geography/History of the World.

## AP PSYCHOLOGY (1558)

## 2 semesters, 2 credits

Prerequisites: None
Grade(s): 10,11,12
AP Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will learn many psychological facts, principles, and phenomena associated with each of the major subfields within the study of psychology through research, group discussions, projects, and critical-thinking exercises. Students are to expect a heavy load of reading and writing.

# INDIANA STUDIES (1518) 

## 1 semester, 1 credit

Prerequisites: None
Grade(s): 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 students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

## SOCIOLOGY (1534)

1 semester, 1 credit
Prerequisites: None Grade(s): 11, 12
Sociology allows students to study human social behavior from a group perspective. The sociological perspective is a method of studying recurring patterns in people's attitudes and actions and how these patterns vary across time, cultures, and in social settings and groups. Students describe the development of sociology as a social science and identify methods of research. Through research methods such as scientific inquiry students examine society, group behavior, and social structures. The influence of culture on group behavior is addressed through institutions such as the family, religion, education, economics, community organizations, government, and political and social groups. The impact of social groups and institutions on group and individual behavior and the changing nature of society will be examined. Influences on group behavior and social problems are included in the course. Students also analyze the role of individuals in the community and social problems in today's world.

## ETHNIC STUDIES (1516)

1 semester, 1 credit
Prerequisites: None
Grade(s): 9,10,11,12
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 an analysis of the political impact of ethnic diversity in the United States.

## WORLD LANGUAGES DEPARTMENT

FRENCH 1(2020)<br>2 semesters, 2 credits

Prerequisites: None
Grade(s): 9,10,11,12
Beginning French students are introduced to the language which focuses on: (1) Learning about authentic francophone situations; (2) Speaking and role-playing within those situations; and (3) Learning basic grammatical structures, including present, past, and future tenses. The major emphasis is on feeling comfortable and competent when communicating in French.

## FRENCH 2 (2022)

2 semesters, 2 credits
Prerequisites: French 1
Grade(s): 10,11,12

Students continue to learn basic vocabulary, intermediate grammar, and francophone culture to prepare them for our ever-increasing global community as well as French 3. Students learn and practice critical thinking skills, cooperative skills, presentation skills and more while completing projects, reading short passages, and using interpersonal speaking.

## FRENCH 3 (2024)

2 semesters, 2 credits
Prerequisites: French 2
Grade(s): 11,12
More effective communication is our goal.
Proficiency is nurtured as students think critically and express themselves with more advanced vocabulary and grammar. Second language reading strategies will be applied toward longer works to build vocabulary, grammar, and communicative skills. French 3 students are equipped with the grammatical and communicative tools to enter AP French. In addition, students will write and narrate their own French folk tales and fables. Students will also practice timed, in-class essay writing and oral activities.

AP FRENCH LANGUAGE \& CULTURE (2032)
2 semesters, 2 credits
Prerequisites: French 3
Grade(s): 12
This course is designed as a college-level course intended for students in their fourth year of French. The course work provides students with opportunities to demonstrate their proficiency in each of the three modes of communication: Interpersonal, Interpretive, and Presentational. Upon entering French 4, students should have a good command of the grammar and show competence in listening, reading, writing, and speaking. This course is approached in a thematic format where Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics are explored, taught, and learned. During a nine-week period, there will be multiple assignments designed to promote and encourage listening, reading, writing, and speaking as well as work on the Interpersonal, Interpretive, and Presentational communication styles. Listening activities, such as podcasts and radio broadcasts will occur at least every other week, if not more frequently. Reading will occur almost daily. In-depth writing, such as papers, e-mails, or essays will occur every other week. Speaking will occur quite frequently, if not daily.

GERMAN 1 (2040)
2 semesters, 2 credits
Prerequisites: None
Grade(s): 9,10,11,12
Students will learn to communicate in German from day one. An immersive environment and use of authentic German music, websites, social media and more will lead students to be able to comprehend and communicate in the target language while exploring the culture and perspectives of German speaking countries. Many themes are centered around the student such as their hobbies, school, family, pets, celebration of holidays and more. Students will be able to communicate their opinions and share information about themselves. Learning about German culture and comparing it to their own will also be a reoccurring theme. Students will also learn about German geography. Students will read at least one short level-appropriate novel in German.

GERMAN 2 (2042)
2 semesters, 2 credits
Prerequisites: German 1
Grade(s): 10,11,12
Students will continue to expand their skills in communicating in German. A variety of authentic sources such as video, audio, websites and print sources guide students to comprehend and communicate in German as they explore the cultures and perspectives of the German speaking countries. An immersive environment allows students to continually receive and contribute to their German Language development. Students will be able to communicate about themselves and others, as well as request information from others. Students are continually reviewing themes from Level 1 and learning about topics such as sports, clothing, shopping, food, living spaces, travel, geography and more. Students will continue to learn about German culture and compare it to their own. Students will read at least one level appropriate novel in German.

## GERMAN 3 (2044)

2 semesters, 2 credits
Prerequisites: German 2
Grade(s): 11,12
Students will continue to learn how to accurately communicate in the German language. Students will explore themes that relate to other fields such as recycling and sustainability, German resistance groups during WWII, cooking, and interpersonal relationships. A major focus this year will be Austria's geography and culture. Students will begin to present on a variety of topics. German film and literature will be utilized to help develop German language skills as well as deepen cultural understanding.

## AP GERMAN LANGUAGE \& CULTURE (2052) <br> 2 semesters, 2 credits <br> Prerequisites: German 3 <br> Grade(s): 12

Students will continue to learn how to accurately communicate in the German language. This course includes a brief look at German history, exploration of German art and music, and covers themes such as healthy living, travel and interpersonal relationships. Swiss culture and geography will play a larger role. Students will present and debate a variety of topics. German film and literature will be utilized to help develop German language skills as well as deepen cultural understanding.

## LATIN 1 (2080) <br> 2 semesters, 2 credits <br> Prerequisites: None <br> Grade(s): 9,10,11,12

This class will introduce students to the Latin language and the ancient Roman world. Students will study and practice using the written grammatical structure of classical Latin as preparation for reading and discussing Latin literature written by ancient Roman authors. Students will study Latin vocabulary and English derivatives to help achieve this goal and improve their command of the English language. As part of this class, students will also study Greek and Roman mythology and the culture of the Romans.

LATIN 2 (2082)
2 semesters, 2 credits
Prerequisites: Latin 1
Grade(s): 10,11,12
This class is a continuation of Latin 1 and employs many of the same methods to help students achieve the goal of reading Latin literature written by Roman authors. Word study will be continued. As part of this course, students will continue studying the culture of the Romans. Students will also study Roman history with a focus on the early history of the Roman Republic. By the end of this course, students will be able to begin reading original Latin literature.

## LATIN 3 (2084) <br> 2 semesters, 2 credits

Prerequisites: Latin 2
Grade(s): 11,12
In this course students will read original Latin literature from a selection of Roman authors as a survey course. Students will focus on the literature of the late Roman Republic and early Roman Empire. The lives of Plautus, Cicero, Caesar, Catullus, Vergil, Ovid, and other great personalities of this period will be studied in an effort to understand the political intrigue of the period and the purposes of the authors in creating this literature. Students will also review all grammar concepts covered in Latin 1 and 2 and discuss the art and culture of the period. Activities in this course will help prepare students for success on the AP Latin exam next year.

AP LATIN (2092)
2 semesters, 2 credits
Prerequisites: Latin 3
Grade(s): 12
The focus of this class will be the literature of the late Roman Republic and early Roman Empire, primarily Vergil's Aeneid and Caesar's Gallic War. Students will read Latin literature and discuss it orally and in written form. Students will read critical essays on both works and will write interpretative essays based on the Latin text in preparation for the spring Advanced Placement test. Students will study the complex relationships between the political players of the late Republic, the emperor Augustus, the authors, and the art and architecture of this period. Students will synthesize information from Roman literature and culture to create a class presentation. Students are encouraged to take the end-of-course Advanced Placement test in May because scores of 3,4 , or 5 may result in college credit. AP Latin is roughly equivalent to an upper-intermediate college or university course.

> SPANISH 1 (2120)
> 2 semesters, 2 credits
> Prerequisites: None
> Grade(s): $9,10,11,12$

This class provides students with basic conversation, reading, writing, and listening skills. Students must be willing to learn new vocabulary using a variety of student-centered activities. Sentence structures will be studied to help students use the language effectively. This course has activities and discussions which describe the way of life of people in Spanish-speaking countries. The geographical locations of the areas in the world where Spanish is spoken are studied as well. Information can be gained that will help students in travel, further study and career selection.

SPANISH 2 (2122)
2 semesters, 2 credits
Prerequisites: Spanish 1
Grade(s): 10,11,12
Students continue to learn new vocabulary words and language structures, and incorporate them into conversations with the teacher and classmates. Reading, writing, and listening skills are also practiced in ways similar to those of first year. This course reinforces and expands student knowledge of the geography and culture of the Hispanic world.

## SPANISH 3 (2124)

## 2 semesters, 2 credits

Prerequisites: Spanish 2
Grade(s): 11,12
Students continue to broaden their communication skills through conversation and composition. The vocabulary and structures of the Spanish language learned in levels 1 and 2 are reviewed and expanded. Students will make an in-depth study of the culture of various representative areas of the Hispanic world. Students successfully completing this course should enroll in DCAP Spanish.

AP/DC SPANISH LANGUAGE \& CULTURE(2132)
2 semesters, 2 credits Prerequisites: Spanish 3 Grade(s): 12
This course is for students looking to continue the development of their language acquisition skills through the rigorous application of communication skills. Students looking to meet their college degree requirements are encouraged to take this course at CPHS. Spanish 4 will continue to expose students to the various aspects of the Spanish-speaking world, language \& culture. Students will expand their knowledge \& abilities in speaking, writing, listening and reading through active participation in class and a variety of text \& media/technology-based resources. The first semester focuses on a comprehensive grammar review, while the second focuses on cultural contributions of Spanish-speaking culture in the arts including literature, dance, and music. Throughout, communication skills are emphasized in weekly reading, writing and listening activities and through daily speaking. At the successful completion of the course, qualified students may earn* 6 credits through IUN. Student grades will be reflected on both the CPHS transcript and IU transcript (SPAN 200).

## AP CAPSTONE COURSES

AP SEMINAR (0552) 2 semesters, 2 credits

Prerequisites: AP/ Honors Student, Teacher Rec. Grade(s): 11,12
AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. AP Seminar is the first of two courses in the AP Capstone ${ }^{\text {TM }}$ program. AP Research is the second course. If a student earns a score of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing, the student will receive the AP Capstone Diploma ${ }^{\top}{ }^{\text {M }}$ that signifies outstanding academic achievement and attainment of college-level academic and research skills. Alternatively, if a student earns a score of 3 or higher in AP Seminar and AP Research only, the student will receive the AP Seminar and Research Certificate ${ }^{T M}$.

AP RESEARCH (0551)
2 semesters, 2 credits
Prerequisites: AP Seminar (Must pass AP Seminar exam)
Grade(s): 12
AP Research is the second year foundational interdisciplinary course that is unique to the AP Capstone diploma program. AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

