



# Crown Point High School

1500 South Main Street, Crown Point, Indiana 46307

219-663-4885

[www.cps.k12.in.us/cphs](http://www.cps.k12.in.us/cphs)



# 2021-2022

## COURSE SELECTION GUIDE

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### **Key:**

<b>DC</b>	<b>=</b>	<b>Dual Credit</b>
<b>CTL</b>	<b>=</b>	<b>Core Transfer Library (<a href="http://www.transferin.net">www.transferin.net</a>)</b>
<b>Online</b>	<b>=</b>	<b>Online Course</b>
<b>IUB</b>	<b>=</b>	<b>Indiana University Bloomington</b>
<b>IUPUI</b>	<b>=</b>	<b>Indiana University Purdue University Indianapolis</b>
<b>IVY</b>	<b>=</b>	<b>Ivy Tech Community College</b>
<b>PNW</b>	<b>=</b>	<b>Purdue Northwest</b>
<b>USI</b>	<b>=</b>	<b>University of Southern Indiana</b>
<b>VU</b>	<b>=</b>	<b>Vincennes University</b>

\* = Dual Credit (DC) pending post-secondary partner approval and/or CPHS credentialing; 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.

## **New Courses and Titles**

- Computer Integrated Manufacturing – New
- Principles of Business – Formerly Intro to Business
- Fundamentals of Accounting – Formerly Intro to Accounting
- Principles of Computer Science (AP) – Formerly Intro to Comp Science
- Principles of Visual Communication – Formerly Graphic Imaging I
- Principles of Automotive Services – Formerly Auto I
- Principles of Precision Machining – Formerly Machining I
- Principles of Construction Trades – Formerly Intro to Construction

## COURSE DESCRIPTIONS

### **ART DEPARTMENT**

#### **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. Many colleges and universities offer advanced placement and/or credit to students who perform successfully on the AP Art History Exam in Visual Arts and/or Humanities.

#### **AP 2D ART AND DESIGN** (4050)

**2 semesters, 2 credits****Prerequisites:** 4 Semesters of Art**Grade(s):** 12

AP Art and Design is a course established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The AP Program offers three studio art courses and portfolios: 2- Dimensional Design, 3- Dimensional Design, and Drawing. The AP Art portfolios are designed for students who are seriously interested in the practical experience of art. The portfolios correspond to most college foundation courses. Students submit portfolios for evaluation at the end of the school year. Students may choose to submit: Drawing, 2-Dimensional Design, or 3-Dimensional design portfolios. AP Art students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions. The portfolio will have two sections: Sustained Investigation and Selected works. Sustained Investigation consists of 15 quality works that have a common theme.

#### **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

Ceramics I is an advanced art course introducing the medium of clay with a concentration on 3-D artworks dealing with height, width and depth. Students will work with clay and focus on hand-building techniques 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. Sequential learning experiences that encompass the Elements of Art and Principles of Design as well as art history, other cultures, aesthetics and criticism will be covered. Students will create a digital portfolio of their artworks. Students must take 2-D Art before enrolling in this course.

#### **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 will divide their time between construction of large hand-built projects and learning to use the potter's wheel. The history of ceramics will be introduced and students will experiment with glazing techniques. Additionally, this advanced class will be researched-based culminating with a final project inspired by an artist. Design quality and craftsmanship will be emphasized. Sequential learning experiences that encompass the Elements of Art and Principles of Design as well as art history, cultures, aesthetics and criticism will be covered. Students will create a digital portfolio of their artworks. Students must take 2-D Art and Ceramics I before enrolling in this course.

**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. This class includes sequential learning experiences that encompass the Art Elements and Principles of Design, as well as art history, culture, criticism and aesthetics. Advanced problems in landscape, still life, portraits and figure drawing will be presented. Students will create a digital portfolio of their artworks. Students must take 2-D Art before enrolling in this course.

**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. This class continues to include sequential learning experiences that encompass the Art Elements and Principles of Design, as well as art history, culture, criticism and aesthetics. Advanced problems in landscape, still life and portraits will also be explored. 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. Students must take 2-D Art and Drawing I before enrolling in this course.

**INTRODUCTION TO 2D ART/ADV 2D ART** (4000/4004)**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 9,10,11,12

Introduction/Adv. 2-D 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.

**INTRODUCTION TO 3-D ART** (4002)**1 semester, 1 credit****Prerequisites:** None**Grade(s):** 9, 10,11,12

This is an introductory art class concentrating on 3-D 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 3-D 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. Sequential learning experiences that encompass the Elements of Art and Principles of Design as well as art history, cultures, aesthetics and critique will be covered. 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. Sequential learning experiences that encompass the Art Elements and Principles of Design as well as art history, cultures, aesthetics and criticism will be covered. Design quality and craftsmanship will be emphasized. This course will provide an overview of digital portfolio development of prior learning and on-going learning in the visual arts. Students must take 2-D Art before enrolling in this course.

**PAINTING/ADV PAINTING** (4064)**2 semesters, 2 credits****Prerequisites:** 2 of 3 (Intro to 2D Art/Adv 2D Art/Intro 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. This class includes sequential learning experiences that encompass the Art Elements and Principles of Design, as well as art history, culture, criticism and aesthetics. 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. Students must take 2-D Art and Drawing I before enrolling in this course.

**PRINTMAKING** (4066)**1 semester, 1 credit****Prerequisites:** 2 of 3 (Intro to 2D Art/Adv 2D Art/Intro to 3D Art)**Grade(s):** 10,11,12

Printmaking is a studio art course that provides students with opportunities to extend learning in printmaking after successful completion of Introduction to 2-D Art. Various methods, materials, and techniques will be covered including: relief printing, lino-cuts, woodcuts, progressive color printing, intaglio, etching, silkscreen, collagraph, and experimental concepts. Resulting prints will be supported by awareness of the history of printmaking, application of the Elements of Art and the Principles of Design, thoughtful written critiques, and the use of visual thinking skills to discuss the aesthetic nature of art. This course will provide an opportunity for further digital portfolio development. Students must take 2-D Art before enrolling in this course.

## **BUSINESS DEPARTMENT**

### **PRINCIPLES OF COMPUTER SCIENCE** (4803)

**2 semesters, 2 credits****Prerequisites:** Algebra I is highly recommended**Grade(s):** 9, 10, 11, and 12

Computer Science Principles curriculum 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.

### **COMPUTER SCIENCE I** (4801)

**2 semesters, 2 credits****Prerequisites:** Intro to Computer Science**Grade(s):** 10,11,12

CS I 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.

### **COMPUTER SCIENCE II** (5236)

**2 semesters, 2 credits****Prerequisites:** Introduction to Computer Science and 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.

### **AP COMPUTER SCIENCE A** (4570)

**2 semesters, 2 credits****Prerequisites:** Computer Science I, Algebra II**Grade(s):** 11, 12

AP Computer Science A is a business mathematics course that provides students with the content established by the College Board. This course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, introduces the use of Java program language, and includes the study of data structures, design, and abstraction. The course provides students an alternative to taking pre-calculus or calculus to fulfill the four-year math requirement for graduation.

### **COMPUTER TECH SUPPORT (Repair)** (5230)

**2 semesters, 2 credits****Prerequisites:** Intro to Comp Science, Computer Science I, 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.

### **COMPUTER TECH SUPPORT II (Repair)** (5231)

**2 semesters, 2 credits****Prerequisites:** Computer Tech Support I**Grade(s):** 11, 12

Information Technology Support II, Capstone is designed to for students to showcase the knowledge gained from the Information Technology Pathway. 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

### **PREPARING FOR COLLEGE AND CAREERS** (5394)

**1 semester, 1 credit**

**Prerequisites:** None

**Grade(s):** 9,10,11,12

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 BUSINESS** (7152)

**2 semesters, 2 credit**

**Prerequisites:** None

**Grade(s):** 9,10,11,12

Principles of Business examines American business including business ownership, organization principles and problems, management, control facilities, administration, financial management, and development practices of American 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 Microsoft Word, Excel, Access, and PowerPoint.

**DC BUSINESS LAW AND ETHICS** IVY (4560)

**2 semesters, 2 credits**

**Prerequisites:** None

**Grade(s):** 11,12

Business Law and Ethics is recommended by the Business Department at CPHS for students looking to pursue a two or four-year degree in Business. An articulation agreement is in place with Ivy Tech that allows students to earn dual credit (BUSN 201). Students looking to get a head start on their college degree are encouraged to take this course at CPHS. Business Law and Ethics is a business course that provides an overview of the legal system in the business setting. Topics covered include: basics of the judicial system, contract law, employment law, personal law, and property law. Applications of legal principles and ethical decision-making techniques are presented through problem-solving methods and situation analysis. Instructional strategies include mock trials, case studies, guest speakers, and internet projects. 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.

**DC ENTREPRENEURSHIP AND NEW VENTURES** IVY (5966)

**2 semesters, 2 credits**

**Prerequisites:** Four Credits of Intro/Adv. CTE courses from the Business and Marketing Cluster

**Grade(s):** 10, 11,12

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. An articulation agreement is in place with Ivy Tech that allows students to earn dual credit (ENTR 101). 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.

**ACCOUNTING FUNDAMENTALS** (Formerly Intro to Accounting) (4524)

**2 semesters, 2 credits**

**Prerequisites:** 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. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making.



**DC FINANCIAL ACCOUNTING (Adv. Accounting) PNW (4522)****2 semesters, 2 credits****Prerequisites:** Introduction to Accounting**Grade(s):** 10, 11,12

Financial Accounting is an introduction to the system by which accounting data is gathered from economic events. The 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. Financial Accounting is a year-long course and is recommended for juniors or seniors intending to pursue a 2-year or 4-year Business degree. Students opting for the dual credit must apply to Purdue University Northwest and pay tuition costs as part of the articulation agreement. Student grades will be reflected on both the CPHS transcript and Purdue University Northwest transcript.

**DC PRINCIPLES OF BUSINESS MANAGEMENT IVY (4562)****2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 10, 11,12

Principles of Business Management is recommended by the Business Department at CPHS for students intending to pursue a 2-year or 4-year Business degree. An articulation agreement is in place with Ivy Tech that allows students to earn dual credit. This course prepares students to plan, organize, direct, and control the functions and processes to manage an organization and to perform business-related functions. Students are provided opportunities to develop attitudes and apply skills and knowledge in the areas of management theory to increase organizational performance, concepts of controlling a business's finances to make operational decisions, design strategic plans to provide guide for business decisions, and analyze the role of ethics to operate a business in a socially responsible manner. 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.

**DC PRINCIPLES OF MARKETING IVY (5914)****2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 10,11,12

Marketing is recommended for students intending to pursue a degree in Business and/or Communications. An articulation agreement is in place with Ivy Tech that allows students to earn dual credit (MKTG101). Students looking to get a head start on their college degree are encouraged to take this course at CPHS. The marketing course at CPHS is an exciting and hands-on course which introduces students to the importance of marketing in today's global economy. Students will learn principles of branding, advertising, promotion, selling, distribution, financing, pricing, product development, information management, target marketing, and students' roles as consumers. Instructional strategies include the use of computers, projects, simulations, case studies, business experiences, and guest speakers. 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.

**DC PERSONAL FINANCIAL RESPONSIBILITY (4540)****1 semester, 1 credit****Prerequisites:** None**Grade(s):** 11,12      **Diplomas:** C40, AHD, THD

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 purchasing insurance.

**PROFESSIONAL CAREER INTERNSHIP** (5974)**2 semesters, 6 credits****Prerequisites:** Preparing for College and Careers and Application**Grade(s):** 12

Professional Career Internship is a course offered to 12<sup>th</sup> 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. Internship sites are carefully selected to provide quality-compatible experiences with the intern's college and/or career goals in mind. This course is recommended for high school seniors that meet graduation and grade point average requirements, and desire an experiential course in their chosen career. Students looking to enhance college and career applications may benefit from the opportunities provided by taking Professional Career Internship. 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 Professional Career Internship. CPHS staff will work with students on an individual basis to set-up their course schedule. Students will receive three high school credits for each semester they participate in the Professional Career Internship. 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 the Professional Career Internship coordinator(s) to secure their internship. Students must complete Preparing for College and Careers prior to the start of their senior year.

## **EDUCATION DEPARTMENT**

### **DC ED PROFESSIONS I/II: INTRO TO ED / CURRICULUM IN EARLY CHILDHOOD** IUB (5408)

**2 semesters, 2 credits****Prerequisites:** Transportation**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. Successful completion of this course is a pre-requisite into the Indiana University School of Education whether taken in high school for dual credit or on campus at the university.

### **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 (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.

### **ACADEMIC ASSISTANT** (0520)

**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 10, 11,12

Academic Assistants provide high school students with an organized exploratory experience to assist students in ninth grade through grade twelve (9-12) 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. 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.

## **ENGLISH DEPARTMENT**

### **AMERICAN LITERATURE** (1020)

**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec.**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 LANGUAGE/COMPOSITION** (1056)

**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec.**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.**

### **AP ENGLISH LITERATURE/COMPOSITION** (1058)

**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec.**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 the Advanced Placement Program of the College Board, the student will be encouraged to take the AP English Literature and Composition test for possible college credit. **Summer reading is required.**

### **DC ADVANCED COMPOSITION I** CTL/PNW (1098)

**1 semester, 1 credit****Prerequisites:** Testing/Teacher Rec**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. PNW Course Title: ENG 104.

### **DC ADVANCED COMPOSITION II** CTL/PNW (1124)

**1 semester, 1 credit****Prerequisites:** DC Advanced Composition**Grade(s):** 12

This course provides the secondary level of the composition sequence. Students will experience coursework and rigor comparable to that of a college setting. Extensive practice in writing clear and effective prose - through instruction in logic, structure, and style - will serve as a focal point for the course. An important component of this course is the experiential learning (EL) practice that students are expected to complete. Students are expected to conduct, delineate, and complete a: Proposal; Project timeline; Interviews; Project Deliverables; Group Presentations; and a Project Report. Student grades will be reflected on both the CPHS transcript and PNW transcript. PNW Course Title: ENG 105.

**DC CREATIVE WRITING** CTL/IVY (1092)**1 semester, 1 credit****Prerequisites:** DC Advanced Composition and/or a 3+ on AP Eng Lit and/or Lang ECA**Grade(s):** 11,12

(Elective Course for 11-12<sup>th</sup> grade students) Creative Writing, an elective course based on the Indiana Academic Standards for English/Language Arts, 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. Creative Writing project: 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.

**DC FUNDAMENTALS OF SPEECH COMMUNICATION** CTL/PNW (1078)**1 semester, 1 credit****Prerequisites:** None**Grade(s):** 11,12

(Elective Course for 11th grade students...12th grade students may take it as an elective or as part of their senior year English courses) Dual Credit Core Transfer Library - Purdue University Northwest - Fundamentals of Speech Communication – COM 114 - 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. Student 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.

**SPEECH/DEBATE (COMPETITIVE)** (1070, 1076 1074) Depending on student level**1 semester, 1 credit****Prerequisite:** Commitment to compete in at least three Saturday tournaments**Grade Levels Offered:** 9, 10, 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/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 second semester to continue skill development in varsity tournaments.

**DC WORLD LITERATURE** CTL/PNW (1052)**1 semester, 1 credit****Prerequisites:** DC Advanced Comp I with a minimum of grade of C-**Grade(s):** 12

This World Literature course 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. Academic integrity is cultivated when writers have multiple opportunities to demonstrate it. This course aims to prepare students to enter the world as competent, compassionate, and tolerant members of society. Student grades will be reflected on both the CPHS transcript and PNW transcript. PNW Course Title: ENG 231 (Introduction to Literature)

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

This course 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.

**PRE-AP ENGLISH 9 HONORS** (1002)**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec.**Grade(s):** 9

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:** None**Grade(s):** 10

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.

**PRE-AP ENGLISH 10 HONORS** (1004)**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec.**Grade(s):** 10

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 Advanced Placement English. Discussions, papers, and projects will incorporate classroom activities such as group work, student presentations, and peer review/editing. **Summer reading is required.**

**ENGLISH 11** (1006)**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec**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.

**ENGLISH 12 ONLINE** (1008)**2 semesters, 2 credit****Prerequisites:** None**Grade(s):** 12

This course increases students' awareness and development of language arts skills required of students to achieve success in post-secondary experiences. Students will write in different formats including the following: technical, business, personal, creative and analytical writing. Students also study many genres of literature including the following: a novel, short stories, and poetry. This course is intended for a student who can learn independently through computer integration.

**ENGLISH 12** (1008)**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec.**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.

**DEBATE** (1070)**1 semester, 1 credit****Prerequisites:** None**Grade(s):** 9,10,11,12

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.

**JOURNALISM/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.

**ADVANCED PUBLICATIONS** (1086)**2 semesters, 2 credits****Prerequisites:** Teacher Rec.**Grade(s):** 10,11,12

This class is for the editors of the newspaper and yearbook staffs only. All aspects of publications are coordinated in this class. Students are involved in a leadership role for newspaper or yearbook, including managing the financial and legal aspects of a publication. Students also hold meetings during this time to make editorial decisions.

**STUDENT PUBLICATIONS – NEWSPAPER** (1086)**2 semesters, 2 credits****Prerequisites:** Journalism or Photojournalism /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, the Inklings, including generating story ideas, reporting, writing, editing, photography, page design, financing and distribution. Newspaper requires some after school hours. 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.

**STUDENT PUBLICATIONS - YEARBOOK** (1086)**2 semesters, 2 credits****Prerequisites:** Photojournalism, Journalism or 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.

**PHOTOJOURNALISM** (1086)**1 semester, 1 credit****Required Material:** Digital Camera**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 pre-requisite 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. Cell phone cameras are acceptable.

**PRINCIPLES OF RADIO AND TV** (Formerly Radio and TV I) (7139)**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 9,10,11,12

Principles of Radio & TV provides an introduction to the fundamentals of digital production. Students will develop basic skills in digital production techniques for audio, video, studio, and field production. 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. This course is designed primarily for 9th - 12th grade students as a means to provide broadcasting skills and serves as a prerequisite to the DC Radio & TV II course.

**DC RADIO & TELEVISION II (CPTV)** USI (5992)**2 semesters, 2 credits****Prerequisites:** Radio & Television I**Grade(s):** 10,11,12

A continuation of the Radio & Television I 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.

**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 will 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.



## **FAMILY & CONSUMER SCIENCE DEPARTMENT (FACS)**

### **ADV CHILD DEVELOPMENT** (5360)

**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 10, 11,12

Adv. Development and Parenting 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 individual 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

### **DC EARLY CHILDHOOD EDUCATION I** IVY (5412)

**2 semesters, 2 credits****Prerequisites:** Transportation & Adv Child Dev.**Grade(s):** 11,12

Early Childhood Education is a full year course. 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 will earn 6 credit hours from Ivy Tech.

### **DC ED PROFESSIONS I/II: INTRO TO ED / CURRICULUM IN EARLY CHILDHOOD** IUB (5408)

**2 semesters, 2 credits****Prerequisites:** Transportation**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. Successful completion of this course is a pre-requisite into the Indiana University School of Education whether taken in high school for dual credit or on campus at the university.

### **FASHION AND TEXTILES I & II** (5380)

**1 semester, 1 credit****Prerequisites:** None**Grade(s):** 10,11,12

Fashion and Textiles Foundations 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 during first semester.

### **INTERPERSONAL RELATIONSHIPS** (5364)

**1 semester, 1 credit****Prerequisites:** None**Grade(s):** 9,10,11,12

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.

**INTRO TO CULINARY ARTS AND HOSPITALITY** (5438)**1 semester, 1 credit****Prerequisites:** None**Grade(s):** 9,10,11,12

Introduction to Culinary Arts and Hospitality is recommended for all students regardless of their career cluster or pathway, in order to build basic culinary arts knowledge and skills. 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. Students are able to explore this industry and examine their own career goals in light of their findings. Laboratory experiences that emphasize industry practices and develop basic skills are required components of this course.

**CULINARY ARTS AND HOSPITALITY MANAGEMENT** IVY (5440)**2 semesters, 2 credits****Prerequisites:** Intro to Culinary Arts and Hospitality**Grade(s):** 11,12

Culinary Arts and Hospitality Management prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the hospitality industry. Major topics include: introduction to the hospitality industry; food safety and personal hygiene; sanitation and safety; regulations, procedures, and emergencies; basic culinary skills; culinary math; and food preparation techniques and applications; principles of purchasing, storage, preparation and service of food and food products; principles of sanitation and safety in order to maintain safe and healthy food service and hospitality environments; use and maintenance of related tools; equipment and application management principles in food service or hospitality operations. Intensive laboratory experiences with commercial applications are a required component of this course of study.

**DC CULINARY ARTS AND HOSPITALITY II** IVY (5346)**2 semesters, 2 credits****Prerequisites:** Culinary Arts and Hospitality I**Grade(s):** 11, 12

Culinary Arts and Hospitality II: Culinary Arts 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, and current marketing and trends. Instruction and intensive laboratory experiences include commercial applications of principles of nutrition, aesthetic, and sanitary selection; purchasing, storage, preparation, and service of food and food products; using and maintaining related tools and equipment; baking and pastry arts skills; managing operations in food service, food science, or hospitality establishments; providing for the dietary needs of persons with special requirements; and related research, development, and testing. Intensive laboratory experiences with commercial applications are a required component of this course of study. Student laboratory experiences may be either school-based or "on-the-job" or a combination of the two. Advanced Culinary Arts builds upon skills and techniques learned in Culinary Arts and Hospitality Management, which must be successfully completed before enrolling in this advanced course. Work-based experiences in the food industry are strongly encouraged.

## **INDUSTRIAL TECHNOLOGY DEPARTMENT**

### **ADV. COMPETITIVE ROBOTICS (Robotics II) IVY (5612)**

**2 semesters, 2 credits****Prerequisites:** Robotics I**Grade(s):** 10,11,12

The Autodesk VEX Robotics Curriculum combines industry-leading Autodesk® Inventor® design tools with the premier educational robotics platform for high school, the VEX Robotics Design System. This modular and project-based curriculum teaches the design process in an engaging, hands-on manner to help teachers challenge, motivate, and inspire their students. By applying STEM principles to actual engineering projects, the curriculum helps students quickly understand the relevance of what they are learning, and master the fundamentals of the engineering design process using Autodesk Inventor software and the VEX Robotics Design System. The curriculum is created to ensure that students with varying learning styles and levels can accomplish the lesson goals. No prior robotics experience is required; beginners are able to advance sequentially through the units to gradually increase their knowledge and skill level. Students are strongly encouraged to join the Robotics Team, which has a financial cost of \$200 per student (with additional hotel costs as needed).

### **DC PRINCIPLES OF AUTOMOTIVE SERVICES IVY & UTI (7213)**

**2 semesters, 2 credits****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. Students opting for the dual credit option must apply to Ivy Tech and tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript (AUTI 100, 111, 121).

### **DC AUTO SERVICES TECHNOLOGY II IVY & UTI (5546)**

**2 semesters, 4 credits****Prerequisites:** Auto Services Tech. I (Instructor Approval)**Grade(s):** 10,11,12

Auto Service Tech II 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. Students opting for the dual credit option must apply to Ivy Tech and tuition is free. Student grades will be reflected on both the CPHS transcript and Ivy Tech transcript. Ivy Tech Dual Credit: AUTI 131.

### **DC PRINCIPLES OF VISUAL COMMUNICATION IVY (Formerly Graphic Imaging I)(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. 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

**DC GRAPHIC IMAGING TECHNOLOGY II IVY (5572) 2 semesters, 4 credits****Prerequisites:** Successful completion of Graphic Imaging Technology I**Grade(s):** 10, 11, 12

Graphic Imaging Technology II 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. Ivy Tech offers the same dual credit for both GIT I and GIT II, but students may only earn the credit once. If a student was not successful in passing the standardized test for GIT I (or earned lower than a C), they can try again in GIT II. 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.

**DC PPRINCIPLES OF PRECISION MACHINING (1 HR) VU (7109) 2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 9, 10, 11, 12

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, Benchwork, and Layout Certification. Applies mathematics in solving engineering and design related problems in the areas of die design, fabrication, assembly, special machinery, die casting and molds. Emphasizes geometric dimensioning and applying tolerances.

**DC PRECISION MACHINE II (1 HR) VU (5782) 2 semesters, 2 credits****Prerequisites:** Precision Machine Technology I**Grade(s):** 10,11,12

PMT II (1HR) is recommended for students who have successfully completed PMTI and are intending to pursue a 2-year machining degree, 4-year mechanical engineering degree, or enter the work force 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. Instructional strategies include classroom theory, use of computers, and hands on experiences. Students opting for the dual credit option must apply to Vincennes. Student grades will be reflected on both the CPHS transcript and college transcript.

**DC PRECISION MACHINING TECHNOLOGY II (2 HR) VU (5784) 2 semesters, 4 credits****Prerequisites:** Precision Machine Technology I**Grade(s):** 10,11,12

PMT II is recommended for students who have successfully completed PMTI and are intending to pursue a machining degree, mechanical engineering degree, or enter the work force 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.

**DC PRECISION MACHINE III (1 HR)** VU (5784)**2 semesters, 2 credits****Prerequisites:** Precision Machine Technology II**Grade(s):** 11,12

Advanced PMT is recommended for students who have successfully completed PMTII and are intending to pursue a 2-year machining degree, 4-year mechanical engineering degree, or enter the work force under the educational principles and guidance of an apprenticeship program. In this course, we will review the many basic principles in machine manufacturing that were learned in PMT II and begin exploring new more complex scenarios and processes. Students will gain more 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 and have opportunity to create their own 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. Instructional strategies include classroom theory, use of computers, and job shadowing experiences. There may also be job placement opportunities after graduation. Students opting for the dual credit option must apply to Vincennes. Student grades will be reflected on both the CPHS transcript and college transcript.

**DC PRECISION MACHINE III (2 HR)** VU (5784)**2 semesters, 4 credits****Prerequisites:** Precision Machine Technology II**Grade(s):** 11,12

Advanced PMT is recommended for students who have successfully completed PMTII and are intending to pursue a 2-year machining degree, 4-year mechanical engineering degree, or enter the work force under the educational principles and guidance of an apprenticeship program. In this course, we will review the many basic principles in machine manufacturing that were learned in PMT II and begin exploring new more complex scenarios and processes. Students will gain more 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 and have opportunity to create their own 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. Instructional strategies include classroom theory, use of computers, and job shadowing experiences. There may also be job placement opportunities after graduation. Students opting for the dual credit option must apply to Vincennes. Student grades will be reflected on both the CPHS transcript and college transcript.

**PRINCIPLES OF CONSTRUCTION TRADES** (7130)**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 9,10,11,12

Principles of Construction Trades covers the NCCER Core Curriculum and is a prerequisite to most other construction courses. Its modules cover topics such as basic safety, communication skills, and introduction to construction drawings; all basic skills needed to continue education in the construction program.

**CONSTRUCTION TRADES I** (5580)**2 semesters, 2 credits****Prerequisites:** Introduction to Construction I**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.

**CONSTRUCTION TRADES II** (5578)**2 semesters, 2 credits****Prerequisites:** Construction Trades I**Grade(s):** 11, 12

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

**DC INTRODUCTION TO ENGINEERING & DESIGN (IED)** IVY (4802)**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 9,10,11,12

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.

**DC PRINCIPLES OF ENGINEERING (POE)** IVY (5644)**2 semesters, 2 credits****Prerequisites:** Intro to Engineering & Design**Grade(s):** 10,11,12

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.

**DC CIVIL ENGINEERING & ARCHITECTURE (CEA)** IVY (5650)**2 semesters, 2 credits****Prerequisites:** IED and POE**Grade(s):** 11, 12

Civil Engineering and Architecture introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related transportation, water resource, and environmental issues. 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.

**COMPUTER INTEGRATED MANUFACTURING (CIM)** (5534)**2 semesters, 2 credits****Prerequisites:** IED and POE**Grade(s):** 11, 12

In Computer Integrated Manufacturing, 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 computer-aided design (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.

**DC ENGINEERING DESIGN AND DEVELOPMENT IVY (5698)****2 semesters, 2 credits****Prerequisites:** IED/POE/ CIM or CEA**Grade(s):** 11, 12

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.

## **MATH DEPARTMENT**

### **ALGEBRA I** (2520)

**2 semesters, 2 credits****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.

### **PRE-AP GEOMETRY HONORS** (2532)

**2 semesters, 2 credits****Prerequisites:** Algebra I**Grade(s):** 9,10 (with teacher rec.)

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

### **ALGEBRA II** (2522)

**2 semesters, 2 credits****Prerequisites:** Geometry**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.

### **PRE-AP ALGEBRA II HONORS** (2522)

**2 semesters, 2 credits****Prerequisites:** Pre-AP Geometry Honors**Grade(s):** 10, 11

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

### **PRE-CALCULUS/TRIGONOMETRY** (2564/2566)

**2 semesters, 2 credits****Prerequisites:** Geometry/Algebra II**Grade(s):** 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-AP PRE-CALCULUS/TRIGONOMETRY HONORS** (2564/2566)

**2 semesters, 2 credits****Prerequisites:** Pre-AP Algebra II Honors or Teacher Rec**Grade(s):** 11

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



**DC PRE-CALCULUS/TRIGONOMETRY** CTL/IUB (2564/2566)**2 semesters, 2 credits****Prerequisites:** Geometry & Algebra II/Testing/Teacher Rec**Grade(s):** 12

Pre-calculus 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 all trigonometric concepts plus the relationship of equations and graphs of linear, quadratic, and parametric equations, translation of axes, and locus and vectors. The course includes the theory of equations, exponential and logarithmic functions, matrices and determinants. Students opting for the dual credit option must apply to Indiana University. Dual Credit - Indiana University Math 125/126 (6 Credits) - Pre-Calculus. Student grades will be reflected on both the CPHS transcript and the IUB transcript.

**PRIME Math** (2514)**2 semesters, 2 credits****Prerequisites:** Algebra II/ 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. 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.

**DC FINITE MATHEMATICS** CTL/IUB (2530)**2 semesters, 2 credits****Prerequisites:** Algebra II with Teacher Rec or Pre-Calculus (All levels)**Grade(s):** 12

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.

**AP STATISTICS** (2570)**2 semesters, 2 credits****Prerequisites:** Algebra II or Pre-AP 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.

**AP CALCULUS** (2562)**2 semesters, 2 credits****Prerequisites:** Pre-AP Pre-Calc Honors**Grade(s):** 11,12

Advanced Placement Calculus 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. The enrollment consists of those students who have earned a minimum C– average in each of the semesters of Honors Pre-Calculus.

## **PERFORMING ARTS DEPARTMENT**

### **BEGINNING TREBLE CHOIR** (4182)

**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 9,10,11,12

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.

### **BEGINNING/INTERMEDIATE BASS 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 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 TREBLE CHOIR** (4186)

**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 have 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 TREBLE CHOIR** (4188)

**Prerequisites:** 1-year high school choir/Audition**2 semesters, 2 credits****Grades:** 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**

**2 semesters, 2 credits****Prerequisites:** Middle School Orchestra or Instructor Approval**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 performances.

**INTERMEDIATE ORCHESTRA** (4172)**2 semesters, 2 credits****Prerequisites:** Teacher Rec/Audition**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:** Teacher Rec/Audition**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:** Middle School Orchestra or Instructor Approval**Grade(s):** 9,10,11,12

Behavioral and musical expectations are generally the same as for the Intermediate and Advanced Bands. The focus of this ensemble is technical and musical skills development necessary to successfully audition for and perform with the Intermediate and Advanced Bands. For this reason, private lessons are strongly encouraged. This ensemble is designed primarily for freshmen students. Members are encouraged to participate in All-Region Band auditions and ISSMA Solo and Ensemble contest. Rehearsals are during school with occasional after school commitments. Enrollment qualifies the student to be eligible for other ensembles: marching band, jazz band, pep band, orchestra winds and pit.

**INTERMEDIATE CONCERT BAND (Symphonic)** (4168)**2 semesters, 2 credits****Prerequisites:** Teacher Rec/Audition**Grade(s):** 9,10,11,12

The Intermediate Band is our second performing and competing co-curricular ensemble. Behavioral and musical expectations are generally the same as for the Advanced Band. Participation in the All-District / All-Region Band audition, ISSMA Solo and Ensemble Contest and private lessons are strongly encouraged. Rehearsals are during the school day with occasional after school commitments. Membership is by audition. Enrollment qualifies the student to be eligible for other ensembles: marching band, jazz band, pep band, orchestra winds and pit.

**ADVANCED CONCERT BAND (Wind Ensemble)** (4170)**2 semesters, 2 credits****Prerequisites:** Teacher Rec/Audition**Grade(s):** 9,10,11,12

The Advanced Band is the premier co-curricular ensemble in the band program and is designed for the advanced musician. Members of the Advanced Band are expected to exhibit the finest in musicianship and consistently demonstrate the self-discipline and responsibility necessary for the organization to achieve success. It is expected that students will strive to participate in the District Band, All-State Band, ISSMA Solo and Ensemble contest, and should be enrolled in private lessons. Rehearsals are during the school day with occasional after school commitments. Membership is by audition. Membership qualifies the student to be eligible for other ensembles: marching band, jazz band, pep band, orchestra winds and pit.

**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 including Constantin Stanislavski, Lee Strasberg, and Stella Adler. 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 stage craft 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** (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 or 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**

### **CORE PE-GENERAL FITNESS** (3542, 3544)

**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 9,10,11,12

Secondary Physical Education 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 PE curriculum.

### **CORE PE-ATHLETIC DEVELOPMENT - 9** (3542, 3544)

**2 semesters, 2 credits****Prerequisites:** CPHS Athlete**Grade(s):** 9

The curriculum for this course is designed to enhance the fundamental athletic skills of CPHS athletes. Physical Education continues the emphasis on health-related fitness, and developing the skills necessary for lifetime of activity. 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. This course is open to male and female students who are involved in a CPHS athletic team. Swimming is a required part of PE curriculum.

### **HEALTH 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. This course is required to meet state graduation requirements.

### **HEALTH (Online)** (3506)

**1 semester, 1 credit****Prerequisites:** None**Grade(s):** 10,11,12

This is a self-paced on-line course designed for those students who wish to take a course outside of the normal school day. 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. This course is required to meet state graduation requirements.

### **ATHLETIC DEVELOPMENT 10-12<sup>TH</sup> GRADE** (3560)

**2 semesters, 2 credits****Prerequisites:** Core PE**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 student in this course, males or females, 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)

**ADVANCED PE-LIFESAVING** (3560)**1 semester, 1 credit****Prerequisites:** Core PE**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. The student should be an avid and strong swimmer. 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.

**PHYSICAL EDUCATION II (TEAM SPORTS)** (3560)**1 semester, 1 credit****Prerequisites:** Core PE**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.

**ELECTIVE PE (FITNESS FOR LIFE)** (3560)**1 semester, 1 credit****Prerequisites:** Core PE**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 PE curriculum.

## **SCIENCE DEPARTMENT**

### **BIOLOGY** (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 or 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.

### **PRE-AP BIOLOGY HONORS** (3024)

**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec.**Grade(s):** 9

This course follows the Pre-AP Biology topics as outlined by the College Board. The course includes an enriched curriculum and extensive lab work. Students will be taught content and asked to apply knowledge. 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 AP course yet at the introductory level; students in this course will need to practice and study outside of class.

### **DC BIOLOGY II** CTL/IUB (3026)

**2 semesters, 2 credits****Prerequisites:** Biology**Grade(s):** 10, 11, 12

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.

### **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)**Grades:** 11, 12

This applied science course will provide an overview of basic concepts and techniques used in forensic sciences. 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, anthropology, toxicology, and document analysis. Guest speakers in this field will give students insight on career opportunities that this area of study provides.

### **DC MEDICAL TERMINOLOGY (Blended Learning Environment)** CTL/IVY (5274)

**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 11,12

This is a course for anyone planning on going into the medical field. 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 student's learning will culminate in the interpretation of several paragraphs of medical notes. Dual Credit Core Transfer Library – Medical Terminology HLSH 101. Student grades will be reflected on both the CPHS transcript and the Ivy Tech transcript.

### **DC ANATOMY & PHYSIOLOGY** CTL/IUN (5276)

**2 semesters, 2 credits****Prerequisites:** Chemistry or Physics/Testing/Teacher Rec**Grade(s):** 11,12

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. A detailed study of human anatomy and physiology requires a time commitment to be successful.

**AP BIOLOGY & AP BIOLOGY LAB** (3094, 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. There is a substantial amount of independent reading required. Students will take the end-of-course Advanced Placement test in May. Scores of a 3, 4, or 5 will result in college credit at Indiana public colleges/universities; private Indiana colleges may differ.

**CHEMISTRY** (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. Students should expect to study at least three hours per week outside of class.

**PRE-AP ACP CHEMISTRY HONORS (DC)** CTL/IUN (3064)**2 semesters, 2 credits****Prerequisites:** Concurrently enrolled in/Successfully Completed Pre-AP Algebra II**Grade(s):** 10,11,12

Pre-AP Honors Chemistry is a rigorous college-prep class where first year chemistry students will be able to go into greater depth in the chemistry curriculum. 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. 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 Indiana University transcript.

**ORGANIC CHEMISTRY & BIOCHEMISTRY HONORS** (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 Chemistry & 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 gases, 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)**2 semesters, 2 credits****Prerequisites:** Pre-AP ACP Chemistry Honors**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 course description can be found at <http://apcentral.collegeboard.com>. Students will take an end-of-course Advanced Placement test in May and scores of 3,4, or 5 may result in college credit. Students should expect to spend at least 6 hours per week preparing for this course outside of class.

**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 course work in chemistry or physics while enduring a mastery of the basics of each discipline. This class is for students not ready for Chemistry or Physics and it is not for students majoring in science in college.



**ASTRONOMY** (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.

**DC PHYSICS** CTL IUN (3084)**2 semesters, 2 credits****Prerequisites:** Biology & Chemistry**Grade(s):** 11,12

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. These credits are also a part of the Indiana Core Library. Dual Credit Core Transfer Library – IUN-PHY 101. Student grades will be reflected on both the CPHS transcript and the Indiana University transcript.

**AP PHYSICS C: MECHANICS** (3088)**2 semesters, 2 credits****Prerequisites:** Concurrent with Pre-Calculus or Calculus**Grade(s):** 11,12

This is a rigorous college level course designed for students with special interests in science or engineering fields. This course will cover the material described by the College Board website for AP Physics C: Mechanics. Scores of a 3,4, or 5 generally result in college credit at Indiana public colleges/universities; private Indiana colleges may differ.

**ENVIRONMENTAL SCIENCE** (3010)**2 semesters, 2 credits****Prerequisites:** Biology and Integrated Chemistry-Physics or Two years of Core 40 Science**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 Pre-AP Chemistry and Pre-AP Algebra II**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. Scores of 3, 4, or 5 generally result in college credit at Indiana public colleges/universities; private Indiana colleges may differ.

**PRINCIPLES OF THE BIOMEDICAL SCIENCES (PLTW)** (5218)**2 semesters, 2 credits****Prerequisites:** Biology or concurrently enrolled in Biology**Grade(s):** 9,10,11,12

PLTW Principles of Biomedical 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. The course is designed to provide an overview of all courses in the Biomedical program and to lay the scientific foundation necessary for student success in the subsequent courses.

*\*\*There are potential Dual Credits available for the PLTW Biomedical series through IUPUI. Students wishing to secure those credits will need to complete the Biomedical coursework and speak with representatives of IUPUI upon graduation from high school. These credits are not guaranteed. 317-274-5555\*\**

**HUMAN BODY SYSTEMS (PLTW)** (5216)**2 semesters, 2 credits****Prerequisites:** Principles of Biomedical Sciences**Grade(s):** 10, 11,12

PLTW Human Body Systems is a course designed to engage students in the study of basic human physiology and the care and maintenance required to support the complex systems. Using a focus on human health, students will employ a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress, and observe the interactions between the various body systems. Students will use appropriate software to design and build systems to monitor body functions.

*\*\*There are potential Dual Credits available for the PLTW Biomedical series through IUPUI. Students wishing to secure those credits will need to complete the Biomedical coursework and speak with representatives of IUPUI upon graduation from high school. These credits are not guaranteed. 317-274-5555\*\**

**MEDICAL INTERVENTIONS HONORS (PLTW)** (5217)**2 semesters, 2 credits****Prerequisites:** Human Body Systems**Grade(s):** 11, 12

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

*\*\*There are potential Dual Credits available for the PLTW Biomedical series through IUPUI. Students wishing to secure those credits will need to complete the Biomedical coursework and speak with representatives of IUPUI upon graduation from high school. These credits are not guaranteed. 317-274-5555\*\**

**DC BIOMEDICAL INNOVATION HONORS (PLTW) IVY** (5219)**2 semesters, 2 credits****Prerequisites:** Medical Interventions**Grade(s):** 11,12

PLTW Biomedical Innovation is a capstone course designed to give students the opportunity to design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. 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** (summer course) (3092)**1 semester, 1 credit****Prerequisites:** "C or better" in Biology & Sponsor Approval**Grade(s):** 9, 10, 11, 12

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)

**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec.**Grade(s):** 10,11,12

The Advanced Placement program in US History is designed to provide students with the analytic skills and knowledge necessary to deal with problems in US History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by a full-year introductory college course. Students will need to read 1-3 hours a week in a college level textbook, and they should be strong essay writers. To receive college credit, students must pass the AP test administered by the College Board.

### **DC US HISTORY** CTL/PNW &/or IUB (1542)

**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec.**Grade(s):** 11,12

The 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. The second semester is a study of the growth of the United States from 1877 to the present. The new industrialism, agrarian problems, geographical and environmental consequences, and depression are studied. Students will complete coursework equivalent to Indiana University Bloomington HIST 105 during the first semester and HIST 106 during the second semester and may require outside reading and work, according to university requirements. These credits are also a part of the Indiana Core Library. Students opting for the dual credit option must apply to Indiana University Bloomington. Dual Credit Core Transfer Library – Indiana University Bloomington -HIST 105-HIST 106. Student grades will be reflected on both the CPHS transcript and the Indiana University Bloomington transcript.

### **UNITED STATES HISTORY** (1542)

**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 11

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

### **UNITED STATES HISTORY (Online)** (1542)

**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 11, 12

Online US History 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. This two semester course is designed to provide students with knowledge of the principles of US History. Students will develop an understanding of how our nation developed politically, economically, socially and geographically. The student will gain a better understanding of the need to be a responsible citizen in the U.S.

**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. Student should be strong readers and good writers.

**DC GOVERNMENT** CTL/IUN (1540)**1 semester, 1 credit****Prerequisites:** Testing/Teacher Rec/Successful completion of US History**Grade(s):** 11,12

Dual Credit Core Transfer Library – Indiana University Northwest- POLS Y103. This is a Dual Credit American Government program designed to provide students with the analytic skills and knowledge necessary to deal with problems in United States Government. The program prepares students for intermediate and advanced college courses by making demands upon them to equivalent to those by a college course. Students will develop an understanding of the essential structures and processes of the government of the United States. Furthermore, please keep in mind that this is a political science course — which means our purpose is to discover the what, how, and why of American government, not make moralistic judgments about politicians or parties. This course is primarily test-based. Students opting for the dual credit option must apply to Indiana University Bloomington. Student grades will be reflected on both the CPHS transcript and the Indiana University Bloomington transcript.

**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. A two-week study of the state government will be taught.

**UNITED STATES GOVERNMENT (Online)** (1540)**1 semester, 1 credit****Prerequisites:** Successful completion of US History**Grade(s):** 11, 12

Online Government 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. 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, The Congress, The Presidency, The National Judiciary, and Federal Bureaucracy. A two-week study of the state government will be taught.

**AP MICROECONOMICS** (1566)**1 semester, 1 credit****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.

**DC MICROECONOMICS** CTL PNW (1514)**1 semester, 1 credit****Prerequisites:** 2.5+ GPA, successful completion of US History, and successful completion of or concurrent enrollment in DC Pre-Calculus, DC Finite, AP Statistics, and/or AP Calculus**Grade(s):** 12

Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course analyzes economic reasoning and behaviors of consumers, producers, savers, investors, workers, voters, institutions, governments, and societies in making decisions. Students explain that because resources are limited, people must make choices and understand the role that supply, demand, prices, and profits play in a market economy. Key elements of the course include the study of scarcity and economic reasoning; supply and demand; market structures; the role of government; national economic performance; the role of financial institutions; economic stabilization; and trade.

**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, micro economic principals, macroeconomic principles, consumer economics, financial institutions, employment, and production.

**ECONOMICS (Online)** (1514)**1 semester, 1 credit****Prerequisites:** Successful completion of US History**Grade(s):** 11, 12

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. This one semester course is designed to provide students with knowledge of fundamental microeconomic and macroeconomic principles that relate to the individual consumer, firms, business, and governmental organizational structures. Upon completion of the class students will understand the essentials of the “economic way of thinking” including microeconomic concepts such as scarcity, opportunity costs, competition, marginal analysis, voluntary exchange, the role of entrepreneurs, efficiency, market failure, factor and product markets, externalities, production theories, market structures, and pricing. Macroeconomic concepts such as GDP, business cycles, inflation, unemployment, poverty, interest rates, taxation, fiscal and monetary policy, banking, and the Federal Reserve System will also be investigated.

**AP HUMAN GEOGRAPHY** (1572)**2 semesters, 2 credits****Prerequisites:** Testing/Teacher Rec.**Grade(s):** 9,10,11,12

The AP Human Geography class 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.

**AP PSYCHOLOGY** (1558)**2 semesters, 2 credits****Prerequisites:** None**Grade(s):** 10, 11,12

Advanced Placement 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. The course is designed for students who want to prepare for the AP Psychology exam. Students will be strongly encouraged to take the AP Psychology Exam for possible college credit.

**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 student will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

**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)

**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 4** (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 competency 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 4** (2052)**2 semesters, 2 credits****Prerequisites:** German 3**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)**2 semesters, 2 credits****Prerequisites:** None**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)**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 will 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. This course is recommended for students earning the Academic Honors Diploma or the Core 40 Diploma.

**AP/DC SPANISH 4** CTL/IUN (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. Students opting for the dual credit option must apply to Indiana University Bloomington; the tuition is \$75 per semester. At the successful completion of the course, the student may earn\* 6 credit hours through IU Northwest for SPAN 200 and SPAN 250. Student grades will be reflected on both the CPHS transcript and IU transcript.

## **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™ 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™ 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™.

### **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.