INDIAN CREEK HIGH SCHOOL

STUDENT SERVICES CENTER

2027 - 2028

Indian Creek Academic & Career Planning Guide

Class of 2028

COURSES

SCHEDULING

GRADUATION

COLLEGE & CAREER PLANNING

Plan Today... Build Your Tomorrow!

POLICY NOTIFICATION STATEMENT

It is the policy of Indian Creek High School not to discriminate on the basis of race, color, religion, sex, national origin, age, limited English proficiency, or handicap, in its programs or employment policies as required by the Indiana Civil Rights Act (I.C. 22-9.1), Title VI and VII (Civil Rights Act of 1964), the Equal Pay Act of 1973, Title IX (Educational Amendments), and Section 504 (Rehabilitation Act of 1973). This guide gives details about academic planning for all students who plan to graduate from Indian Creek High School.

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YOUR GUIDE FOR PLANNING WHAT COMES NEXT

Use this section to understand scheduling, graduation requirements, credit options, testing, college planning, and opportunities beyond high school.

COURSES AND SCHEDULING

Transition to High School

Eighth graders are introduced to Indian Creek High School through three programs:

- Parent Night: Counselors meet with eighth-grade parents to review high school programs.
- Classroom Presentations: Counselors meet with eighth-grade students during the spring semester to explain curriculum and scheduling.
- Individual Meetings: Counselors meet one-on-one with each student to review course plans and answer questions.

Students take their course request sheet home for parent/guardian review and signature. No schedule changes may be made after May 1st.

Scheduling Process

Each winter, high school counselors conduct small-group scheduling meetings with students in grades 9–11 to plan courses for the upcoming year. Students receive access to the Indian Creek Course Planning Guide and an explanation of the course selection system. After group meetings, students will meet individually with their counselor to finalize choices and ask questions. Parents have a short period to review and approve course requests.

Schedule Changes must be completed by May 1st of the previous school year. The master schedule is built based on student requests; therefore, no schedule changes will be made after May 1st of the previous school year. Teacher preference requests cannot and will not be accommodated. Schedule changes are permitted only for reasons including computer error, course cancellation, conflicts, unmet prerequisites, improper placement, balancing, or administrative reasons. Alternate electives will be used in conflicts.

Intra-Department Course Change requests require effort, documentation, and approval by teachers and student services departments.

Indiana law requires all students to carry a full schedule (8 periods). Early release may be granted only for verified financial need requiring employment that must be approved by the building principal.

Specialized Programs and Credit Options

Johnson County Special Services (Applied Courses): Modified instruction for students pursuing an Alternate Diploma, determined by a Case Conference Committee.

Indian Creek Learning Center (ICLC): Alternative environment for individualized support. Juniors may not graduate early; seniors may complete coursework early. Students must earn a minimum of 7 credits per semester and follow ICHS policies. Juniors perform community service; seniors complete volunteer/work programs. ICLC students are not eligible for IHSAA athletics or other extracurricular activities.

NHJ Empower (Online Learning): Available to juniors/seniors with 2.7 GPA. Requires an application, attendance at a parent/student meeting, passing grades to remain enrolled, and adherence to deadlines. Failure to complete all of these requirements will result in removal of the Empower course.

Dual Credit Opportunities: Ivy Tech (via DualEnroll) and Indiana University ACP courses allow earning college and high school credit simultaneously. IU tuition is reduced and often covered. Credits transfer via official college transcript.

Indiana College Core (ICC): Indian Creek High School has partnered with IU Bloomington to offer the Indiana College Core. In this program students will complete a 30 credit hour block of courses that will transfer to course credit at IU or other Indiana public institutions. Students will also develop the critical thinking, time management, and work ethic skills necessary to succeed in college. This 30 credit hour block of courses is equal to an average year of college coursework. It is a great way for students to get a jump start on their college career and save time and money.

Early Graduation Options

Seven Semester Graduation: Juniors may apply to graduate after seven semesters. Requirements include being on track for a Core 40 or higher diploma, completing Graduation Pathways, and taking English 12 second semester in the summer before senior year. Diplomas are awarded at the regular ceremony.

Credit, Grades, and Academic Policies

Most courses earn 1 credit per semester. Exceptions:

- Central Nine (3–4 credits)
- Supervised Agriculture (1 credit/summer)
- Career Exploration/Capstone Courses (2 credits)
- Study Hall/Resource (0 credits)

Excessive absences (7+ per semester) may result in loss of credit.

Audit and Independent Study: Up to 4 audited classes allowed; repeated classes replace lower grade. Independent Study requires teacher and counselor approval.

Grading System: A (100-93) B+ (89-87) C+ (79-77) D+ (69-67)
A- (92-90) B (86-83) C (76-73) D (66-63)
B- (82-80) C- (72-70) D- (62-60)

Semester grades: 40% Q1 + 40% Q2 + 20% Exam.

GPA & Rank: Weighted courses add +1 quality point. Class rank updated each semester; Valedictorian/Salutatorian based on 8th semester GPA.

Incompletes: Must be completed within 10 days. All incompletes must be approved by the principal prior to the end of the semester.

Withdraw/Fail: Withdraw/Fail (WF) counts as an F in GPA. A grade of WF (Withdraw/Fail) may be given for two reasons: 1) when the student is removed from a class for disciplinary reasons, and 2) when a student withdraws from a class after the first 10 school days of the semester.

Report Cards: Issued four times per year, available via Infinite Campus or Student Services. Academic concerns should be addressed to teachers or the Building-Based Support Team.

Graduation and Beyond

Graduation Requirements: Indiana's CORE 40 curriculum provides the academic foundation all students need to succeed in college and the workforce. The Core 40 diploma is a state required minimum for high school students through the class of 2028 cohort. In addition to the below information, students are required to pass the following local requirements: Preparing for College and Careers. Students must complete a graduation pathway which includes successfully completing three criteria: Meet the requirements of a diploma, demonstrate employability skills, and show postsecondary readiness.

Mathematics Sequences: Students who take a rigorous math sequence will find they are better prepared for college, technical schools, and/or work. Most four-year colleges require students to take math through and including Algebra II for admission; however, some public universities in Indiana require a seventh semester of math which should be either pre-calculus, trigonometry, finite, or calculus. NOTE: Students must earn 6 credits of math in High School. While 8th grade credits will count on the student's transcript, students still must complete 6 credits in 9th–12th grades.

Math sequence with Algebra in 8th

Grade	Math Course
8	Algebra
9	Geometry Honors
10	Algebra II (or Honors)
11	Pre-Calc (or Honors)/Finite
12	Calculus

gradeMath sequence beginning Algebra freshman year

Grade	Math Course
9	Algebra
10	Geometry Honors
11	Algebra II (or Honors)
12	Pre-Calc (or Honors)/Finite

Career and Technical Education

Indiana NLPS Pathways prepare students for high-skill, high-wage careers and include Work-Based Learning Capstone experiences.

Governor's Work Ethic Certification (GWEC): Students demonstrate Integrity, Motivation, Professionalism, Adaptability, Communication, and Teamwork. Senior requirements: 2.0 GPA, 98% attendance, ≤1 behavior referral, 6+ service hours.

Testing and Postsecondary Planning

Testing: PSAT 8/9 & PSAT–NMSQT (grades 9–11); SAT (grade 11, state accountability); AP Exams (required for enrolled students, $99 Music Theory fee).

Postsecondary Options: 4-year or 2-year college, technical school, military, apprenticeship, or workforce.

College Admissions Recommendations: English 4 years; Math 4 years; Science 3–4 years; Social Studies 3 years; World Language 2–3 years.

Applications & Transcripts: The Student Services Office can help you send your high school transcript through Parchment when applying to colleges or scholarships.

If you took dual credit classes, you must request those college transcripts directly from Ivy Tech or Indiana University:

- Visit Ivy Tech's "How to Order Transcripts" page for instructions.
- Visit IU's ACP Student Handbook and see the "Transcripts and Transferring Credits" section.

Letters of Recommendation: If you need a letter of recommendation, complete a Senior Profile and give your teacher or counselor at least 7 days' notice.

Athletic Eligibility: Students planning to play college sports should register early with NCAA and NAIA.

YOUR NEXT STEP

Questions about your schedule, graduation plan, college options, or career goals? Start with your counselor or the Student Services Center.

Course Descriptions

NHJ Empower

Special Note: Each of these courses require an application and will be available online only. If approved, students and their parents will also sign a contract for participation in this program. These courses follow the same deadlines as any other ICHS course. **To be accepted into an Empower course, students and parents must attend a mandatory informational meeting, to be held after students submit their course requests.**

NHJ EMPOWER PHOTOGRAPHY • 4062

This **fully online course** gives students the opportunity to explore photography and digital imagery while developing their own creative style. Students will use a variety of digital tools to create photographs and videos while learning about photography techniques, composition, and the principles and elements of art.

Students will discover how photographers use **lighting, composition, perspective, and other creative techniques** to create compelling images. They will also explore the history of photography and learn how photography has influenced and documented important moments throughout history.

Through a variety of hands-on projects, students will have opportunities to **showcase their creativity, develop their artistic eye, and build a portfolio of work**. Students will also explore careers and opportunities related to photography, digital media, and visual communication.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	2D Art and Adv. 2D Art with a C or better, Application
ONE SEMESTER COURSE	A CORE 40, THD and AHD course.

Indian Creek Learning Center

COMMUNITY SERVICE • 0524

Community Service gives students in grades 9–12 the opportunity to earn up to 2 high school credits by completing approved community service or volunteer projects.

Students can choose service experiences that connect to a course they are currently taking or plan to take in the future. This is a great way to gain real-world experience, explore your interests, help your community, and build skills that can be valuable for college, careers, and life after high school.

OPEN TO:	Grades: 11
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD course.

CAREER EXPLORATION INTERNSHIP • 0530

This course gives students the opportunity to learn about careers while gaining hands-on experience in a real workplace. Students may participate in a paid or unpaid internship in the public or private sector based on their career interests.

Unlike a traditional work program that focuses on one specific job, a Career Exploration Internship allows students to explore different parts of an industry or career field. Students may rotate through different departments, job roles, or work sites to get a broader understanding of what it's like to work in that field.

Students will also meet regularly with their teacher or participate in a seminar to connect what they are learning in school to their workplace experiences. Together with their teacher, parent/guardian, and employer, students will set learning goals and expectations for their internship.

This is a great opportunity to explore your interests, build workplace skills, make professional connections, and discover what careers might be a good fit for you.

OPEN TO:	Grades: 12
PREREQUISITES:	Must work a minimum of 270 hours per semester
FULL YEAR COURSE	A Core 40, THD, and AHD course.

Advanced Manufacturing

Adv Manufacturing Pathway

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Advanced Manufacturing	Advanced Manufacturing Technology	Industrial Maintenance Fundamentals

Pathway note: Advanced Manufacturing

ADVANCED MANUFACTURING TECHNOLOGY • 7103

Discover how things are designed, built, and brought to life!

Ever wonder how products go from an idea to something you can actually use? In this course, students explore the **technology, tools, and processes used in today's manufacturing industry**.

Students will learn about **electrical, mechanical, and fluid power systems**, including current, voltage, resistance, power, circuits, transformers, and energy transfer. They will also explore machining, tooling, machine operation, and the technologies used to control modern production equipment.

The course covers the entire **product life cycle—from design and materials to production, quality control, and distribution**. Students will also learn how different types of manufacturing systems work and how technology is used to make production safer, faster, and more efficient.

This course is a great opportunity for students interested in **engineering, robotics, manufacturing, automation, skilled trades, or other technology-based careers**.

🏭 **Pathway Connection:** This course is **Year 2 of the Advanced Manufacturing Pathway** and builds on the skills and knowledge students developed in Year 1.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Principles of Advanced Manufacturing
ONE SEMESTER COURSE	A Core 40, THD, AHD course.

INDUSTRIAL MAINTENANCE FUNDAMENTALS • 7104

Build hands-on skills for careers in welding, machining, and the skilled trades!

This hands-on course introduces students to the **fundamentals of welding and machining**—skills used in many manufacturing, construction, maintenance, and skilled-trade careers.

Students will learn **safe welding and cutting practices**, including oxy-fuel and arc welding. They will also gain experience with **brazing and basic machine tools**, including turning, milling, and grinding equipment.

Through hands-on projects and practice, students will develop **practical skills, problem-solving abilities, and workplace safety habits** that can help prepare them for further training, apprenticeships, or careers in manufacturing and the skilled trades.

🏭 **Pathway Connection:** This course is **Year 3 of the Advanced Manufacturing Pathway** and builds on the skills and knowledge students developed in Year 1 and Year 2.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Principles of Advanced Manufacturing, Adv Mfg Technology
ONE SEMESTER COURSE	A Core 40, THD, AHD course.

PRINCIPLES OF ADVANCED MANUFACTURING • 7108

Explore the technology shaping the future of manufacturing!

Interested in **technology, engineering, robotics, or building things**? This course introduces students to the exciting world of advanced manufacturing through a combination of classroom learning and hands-on activities.

Students will explore **manufacturing basics, workplace safety, lean manufacturing, design principles, and the latest trends and technologies used in the industry**. Hands-on projects and team activities give students the chance to put what they learn into practice and solve real-world manufacturing challenges.

Students will also learn about **careers in advanced manufacturing** and have opportunities to connect with industry professionals through work-based learning experiences and industry partnerships.

This course is a great way to **discover how modern products are made, develop technical and teamwork skills, and explore careers in a growing industry**.

🏭 **Pathway Connection:** This course is **Year 1 of the Advanced Manufacturing Pathway** and provides students with the foundational skills and knowledge they will build on in Year 2

OPEN TO:	Grades: 9 - 11
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, AHD course.

Agriculture Department

Agriscience Animals

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Ag	Animal Science	ALS: Animals

Agriscience Plants

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Ag	Plant & Soil	ALS: Plants

Mechanical & Engineering

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Ag	Ag, Power, Structure	Ag Structures Design & Fabrication

ANIMAL SCIENCE • 5008/ AGRI 103

Explore the science, care, and business behind animals and agriculture!

Interested in **animals, agriculture, veterinary science, or animal-related careers**? This yearlong course gives students an introduction to the animal science industry and explores both **large and small animals**.

Students will learn about **animal anatomy and physiology, genetics, reproduction, nutrition, common diseases and parasites, and proper animal care and management**. They will also explore the different products and resources we get from various animal species.

Throughout the course, students will learn how science and technology are used to improve animal health, production, and management. The class will also explore **current issues and topics affecting animal agriculture** and encourage students to think critically about the role animals play in our society.

This course is a great opportunity to **learn more about animals, build practical knowledge, and explore careers in animal science, veterinary medicine, agriculture, and related fields**.

🐄 **Pathway Connection:** This course is **Year 2 of the Agriscience: Animals Pathway** and builds on the foundational knowledge and skills students developed in Year 1.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Principles of Agriculture
FULL YEAR COURSE	
NOTES:	This course counts as a science course. Dual Credit through Ivy Tech.

ADVANCED LIFE SCIENCE: ANIMALS • 5070/ AGRI 107

Dive deeper into the science, care, and future of animal agriculture!

This two-semester course gives students the opportunity to explore **animal science through hands-on activities and laboratory experiences**. Students will learn how animals are cared for, managed, and used in agriculture while exploring the science and technology behind the industry.

Topics include **animal welfare and husbandry, diseases and parasites, animal handling and housing, genetics and breeding, biotechnology, and animal anatomy and physiology**. Students will also explore laws and practices related to animal agriculture and examine how the industry impacts the environment.

Students will learn about **sustainable practices and the future of animal agriculture**, including how producers around the world are working to meet the needs of a growing population while responsibly caring for animals and natural resources.

This course is a great fit for students interested in **animals, veterinary science, agriculture, biotechnology, environmental science, or other animal-related careers**.

🐄 **Pathway Connection:** This course is **Year 3 of the Agriscience: Animals Pathway** and builds on the knowledge and skills students developed in Years 1 and 2.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Principles of Agriculture
FULL YEAR COURSE	
NOTES:	This course counts as a science course for all diplomas. Dual credit through Ivy Tech.

ADVANCED LIFE SCIENCE: PLANTS • 5074/ AGRI 109

Discover how plants grow, thrive, and support life!

This two-semester course gives students the opportunity to explore the **science behind plants and soil** through hands-on activities, laboratory experiments, and fieldwork.

Students will learn how plants are **classified, grow, function, and reproduce**, while exploring topics such as **plant genetics, evolution, and the ways humans use plants**. Students will also investigate how plants interact with their environment and the important role they play in ecosystems.

Through laboratory and field experiences, students will discover **how soil affects plant growth and how agricultural and horticultural practices help plants thrive**.

This course is a great fit for students interested in **agriculture, horticulture, environmental science, landscaping, plant science, or other careers involving plants and natural resources**.

🌱 **Pathway Connection:** This course is **Year 3 of the Agriscience: Plants Pathway** and builds on the knowledge and skills students developed in Years 1 and 2.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Principles of Agriculture
FULL YEAR COURSE	A Core 40, THD, and AHD
NOTES:	This course counts as a science course for all diplomas. This course can be taken for dual credit through Ivy Tech.

AGRICULTURE POWER, STRUCTURE AND TECHNOLOGY • 5088/ AGRI 106

Build real-world skills and explore careers in agriculture and skilled trades!

This yearlong, **hands-on shop course** gives students the opportunity to learn practical skills used in agriculture, construction, and skilled-trade careers. Students will learn **hand tool safety and identification, electricity, plumbing, carpentry, and concrete work**, with a strong focus on working safely and responsibly.

Students will also get a closer look at **metalworking and welding**, as well as other technologies used in modern agriculture. Additional topics include **small engines, agricultural equipment, and career opportunities** in agriculture power, structures, and technology.

Students will explore **college, technical training, and other options after high school**, while gaining experience through a supervised agricultural experience.

This course is a great fit for students who enjoy **building, fixing, creating, working with tools, and learning by doing** and are interested in careers in agriculture, construction, welding, mechanics, or skilled trades.

🚜 **Pathway Connection:** This course is **Year 2 of the Agriculture Mechanical & Engineering Pathway** and builds on the foundational knowledge and skills students developed in Year 1.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Principles of Agriculture
FULL YEAR COURSE	A Core 40, THD, and AHD
NOTES:	This course can be taken for dual credit through Ivy Tech.

PLANT AND SOIL SCIENCE • 5170/ AGRI 105

Get hands-on and discover how plants and soil work together!

This yearlong course introduces students to the basics of **plant and soil science** through classroom learning and hands-on activities. Students may work in the greenhouse and explore areas around the school as they put what they learn into practice.

Students will explore topics such as **how soil is formed and used, soil conservation and drainage, plant growth and reproduction, plant classification, fertilizers, and environmental factors that affect plants and soil**. Students will also learn about **soil erosion and ways to protect and improve soil health**.

Along the way, students will discover how plant and soil science connects to everyday life and explore **career opportunities in agriculture, horticulture, landscaping, environmental science, and related fields**.

This course is a great choice for students who enjoy **working with plants, being outdoors, learning through hands-on activities, and exploring agriculture and environmental science**.

🌱 **Pathway Connection:** This course is **Year 2 of the Agriscience: Plants Pathway** and builds on the foundational knowledge and skills students developed in Year 1.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Principles of Agriculture
FULL YEAR COURSE	A Core 40, THD, and AHD
NOTES:	This course can be taken for dual credit through Ivy Tech.

SUPERVISED AGRICULTURAL EXPERIENCE • 5228

Turn your agriculture interests into real-world experience!

This summer course gives students the opportunity to **take what they've learned in the classroom and apply it in a real agricultural setting**. Students can gain hands-on experience through a **paid or unpaid job, internship, family project, or their own agriculture-related business**.

Students may work with **family members, neighbors, local businesses, agricultural organizations, or through a business they own**. Throughout the experience, students will work with their agriculture teachers, parents or guardians, and employers to set goals, build skills, and make the most of their SAE experience.

This is a great opportunity to **explore careers, gain valuable workplace skills, build your résumé, and experience what it's really like to work in the agriculture industry**.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	Application process with instructor
ONE SEMESTER COURSE	A Core 40, THD, and AHD
NOTES:	May be repeated for credit. Summer only course.

AGRICULTURE STRUCTURES FABRICATION AND DESIGN • 7112

Build, weld, and create real-world projects!

This two-semester, **hands-on course** gives students the opportunity to develop practical skills in **welding, metalworking, and agricultural construction**.

Students will learn how to identify different types of metal, prepare materials, and safely use a variety of tools and equipment. Welding skills will include **oxy-acetylene cutting, plasma cutting, arc welding, MIG welding, and TIG welding**.

Students will also explore construction skills used in the agriculture industry, including **carpentry, masonry, and other building techniques**. Through hands-on projects, students will have the opportunity to practice their skills while learning how structures are designed, built, and maintained.

This course is a great fit for students who enjoy **working with their hands, building things, solving problems, and creating projects** and are interested in careers in welding, construction, agriculture, manufacturing, or the skilled trades.

🚜 **Pathway Connection:** This course is **Year 3 of the Mechanical & Engineering Pathway** and builds on the knowledge and skills students developed in Years 1 and 2.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Principles of Agriculture, Ag Power
FULL YEAR COURSE	A Core 40, THD, and AHD
NOTES:	Counts as a directed elective or elective credits for all diplomas and is third course in agristructure pathway.

PRINCIPLES OF AGRICULTURE • 7117 / AGRI 100 & 102

Discover the many ways agriculture impacts our world!

This two-semester course introduces students to the **wide variety of careers, industries, and opportunities within agriculture and agribusiness**. Students will explore how agriculture affects our everyday lives and plays an important role in communities across the United States and around the world.

Students will explore a variety of agricultural areas, including **animals, plants, food and natural resources, agricultural power and equipment, structures, technology, and agribusiness**. Along the way, students will learn about the people, businesses, and technologies that help produce the food, products, and resources we use every day.

Students will also explore **career opportunities in agriculture** and discover the many pathways available in this growing industry.

Principles of Agriculture is the starting course for the NLPS graduation pathway for agricultural programs and is a great choice for students who want to explore the many possibilities within agriculture.

🌱 **Pathway Connection:** This course is the **first course in all Agriculture pathways** and provides students with the foundational knowledge and skills they will build on in future agriculture courses.

OPEN TO:	Grades: 9 - 11
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD
NOTES:	Course one of Ag pathway sequence. This course can be taken for dual credit through Ivy Tech.

AGRIBUSINESS CAPSTONE • 7238

Explore the business side of agriculture!

This two-semester course introduces students to the **business, leadership, and management skills used in today's agriculture industry**. Students will explore how agribusinesses operate at the local, national, and global levels and how technology is changing the way agricultural businesses work.

Students will learn about **agribusiness, communication, agricultural law, leadership, teamwork, ethics, economics, and sales**. They will also learn how products and services are marketed and sold within the agricultural economy.

Through **hands-on projects and real-world experiences**, students will practice planning, problem-solving, communication, and business management skills. Students will also have opportunities to apply what they learn through a **Supervised Agricultural Experience (SAE)**.

This course is a great fit for students interested in **business, entrepreneurship, agriculture, marketing, leadership, sales, or careers in the agribusiness industry**.

OPEN TO:	Grades: 11-12
PREREQUISITES:	Any Agriculture Concentrator Sequence
FULL YEAR COURSE	A Core 40, THD, and AHD

Art Department

Art Pathway

YEAR ONE	YEAR TWO	YEAR THREE
2D/ Adv 2D or 3D/ Adv 3D	2D/ Adv 2D or 3D/ Adv 3D	Drawing/ Photography/Sculpting/ Painting/ Vis Com

INTRODUCTION TO 2D ART • 4000

Get creative, try new things, and discover your artistic style!

This introductory course gives you the opportunity to **explore art, experiment with different materials, and build your artistic skills**. You'll learn about the **Elements of Art and Principles of Design** and discover how artists use them to create interesting and meaningful artwork.

You'll work with a variety of **2-D art materials and techniques**, including pencil, pastels, charcoal, pen and ink, markers, and watercolor. Through a variety of projects, you'll have the chance to experiment, be creative, and develop your own artistic style.

You'll also learn how to **look at and evaluate your own artwork**, identify ways to improve, and grow more confident in your skills. Along the way, you'll explore **famous artists, different art styles, and the important role art has played throughout history**.

Whether you're an experienced artist or just want to try something new, this course is a great place to **build your skills, express yourself, and have fun creating**!

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD

INTRODUCTION TO 3D ART • 4002

You don't have to be great at drawing to be creative!

This course is perfect for students who are interested in art and want to **try something new, experiment with materials, and bring their ideas to life**. You'll learn about the **Elements of Art and Principles of Design** and discover how artists use them to create unique three-dimensional artwork.

You'll work with a variety of hands-on materials, including **clay, papier-mâché, wire, and plaster**. Through individual and group projects, you'll use **creative thinking, problem-solving, and teamwork** to turn ideas and sketches into three-dimensional creations.

You'll also learn how to **look at, discuss, and evaluate your artwork** to understand what works well and how you can improve. Along the way, you'll explore the role of **art and artists throughout history** and discover how art can be used to communicate ideas, tell stories, and express creativity.

Whether you consider yourself an artist or have never taken an art class before, this course gives you the opportunity to **create, experiment, and discover what you can do!**

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD

ADVANCED 2D ART • 4004

Ready to take your art skills to the next level?

Advanced 2D Art builds on the skills you developed in Intro to 2-D Art while giving you more opportunities to experiment, create, and develop your own artistic style. You'll dive deeper into the **Principles of Design** and learn new techniques through a variety of hands-on projects.

Projects may include **drawing people, creating cartoons, and working with watercolor**, along with other creative challenges. You'll continue exploring the work of **famous artists and major art movements throughout history** while developing your own skills and creative voice.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	Intro to 2D Art
ONE SEMESTER COURSE	A Core 40, THD, and AHD

ADVANCED 3D ART • 4006

Ready to keep creating and take your 3-D art skills further?

Advanced **3-D Art** is a continuation of 3-D Art and is a great choice for students who enjoy being creative—even if you don't consider yourself a strong drawer. You'll continue exploring the **Elements of Art** and **Principles of Design** and learn how to use them to create unique three-dimensional artwork.

You'll work with a variety of hands-on materials, including **clay, papier-mâché, wire, and plaster**. Through individual and group projects, you'll use **creative thinking, problem-solving, and teamwork** to transform ideas into three-dimensional forms.

You'll also learn how to **critique and analyze your artwork**, looking at how effectively you used the Elements of Art and Principles of Design. Along the way, you'll continue exploring the **importance of art and artists throughout history** and how their work has influenced the world of art.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	Intro to 3D Art
ONE SEMESTER COURSE	A Core 40, THD, and AHD

SCULPTURE • 4044

Turn your ideas into three-dimensional art!

In this course, you'll explore the exciting world of **sculpture while developing your own artistic style**. You'll learn about art history, explore different artists and styles, and discover how artists use sculpture to communicate ideas and express creativity.

You'll work with a variety of materials, including **clay, plaster, metal, paper, wax, and plastic**, to create original three-dimensional artwork. Through hands-on projects, you'll develop your **creative thinking, problem-solving, and artistic skills** while building a collection of portfolio-quality work.

You'll also have opportunities to learn beyond the classroom by exploring **art museums, galleries, studios, and other community art resources**.

This course is a great choice for students who enjoy **creating, building, experimenting with materials, and turning ideas into something you can see and touch**.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Intro to 3D Art & Adv 3D Art with a C or better
ONE SEMESTER COURSE	A Core 40, THD, and AHD

DRAWING • 4060

Take your drawing skills to the next level!

Ready to move beyond the basics and challenge yourself as an artist? This course is designed for students who **enjoy art and want to seriously develop their drawing skills and personal style**.

You'll strengthen your ability to observe, draw, and communicate ideas through a variety of techniques, including **sketching, rendering, contour drawing, gesture drawing, and perspective**. You'll learn how to thoughtfully use the **Elements of Art and Principles of Design** to solve creative challenges and create stronger, more expressive artwork.

You'll also explore **different artistic styles and approaches** while developing your own creative voice. Projects will give you the opportunity to work with a variety of traditional drawing media, including **pencil, chalk, pastels, charcoal, and pen and ink**.

This course is a great choice for students who want to **challenge themselves, build a strong portfolio, improve their technical skills, and grow as an artist**.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Intro to 2D Art & Adv 2D Art with a C or better
ONE SEMESTER COURSE	A Core 40, THD, and AHD

NHJ EMPOWER PHOTOGRAPHY • 4062

This **fully online course** gives students the opportunity to explore photography and digital imagery while developing their own creative style. Students will use a variety of digital tools to create photographs and videos while learning about photography techniques, composition, and the principles and elements of art.

Students will discover how photographers use **lighting, composition, perspective, and other creative techniques** to create compelling images. They will also explore the history of photography and learn how photography has influenced and documented important moments throughout history.

Through a variety of hands-on projects, students will have opportunities to **showcase their creativity, develop their artistic eye, and build a portfolio of work**. Students will also explore careers and opportunities related to photography, digital media, and visual communication.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	2D Art and Adv. 2D Art with a C or better, Application
ONE SEMESTER COURSE	A CORE 40, THD and AHD course.

PAINTING • 4064

Take your painting skills to the next level!

Ready to move beyond the basics and challenge yourself as an artist? This course is designed for students who **enjoy painting and want to develop their skills, creativity, and personal artistic style**.

You'll strengthen your understanding of **color, composition, technique, and the Elements of Art and Principles of Design** while creating original paintings. You'll explore techniques such as **sketching, rendering, contour, gesture, and perspective** as you develop your ability to turn ideas into finished artwork.

You'll also take a deeper look at **different artists, painting styles, and techniques** while experimenting with a variety of painting media, including **acrylic, watercolor, and oil paints**.

Through challenging projects and creative exploration, you'll have the opportunity to **build your portfolio, develop your own artistic voice, and grow as a confident painter**.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Intro to 2D Art & Adv 2D Art with a C or better
ONE SEMESTER COURSE	A Core 40, THD, and AHD

VISUAL COMMUNICATION • 4086

Turn your creativity into designs that communicate!

Interested in **art, graphic design, digital media, or creative careers**? This course gives you the opportunity to explore how artists and designers use visuals to communicate ideas and messages.

You'll create **advertisements and graphic designs** while learning about **typography, illustration, layout, and digital design tools**. You'll use computer technology to develop creative projects and bring your ideas to life.

Throughout the year, you'll build a **personal portfolio** featuring your best work from this course and previous art classes. Your portfolio can showcase your skills and creativity as you explore **college programs and career opportunities in graphic design, advertising, illustration, digital media, and visual communication**.

This course is a great choice for students who want to **combine art and technology while preparing for a future in a creative field**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Drawing or painting
ONE SEMESTER COURSE	A Core 40, THD, and AHD

Business Department

Management

YEAR ONE	YEAR TWO	YEAR THREE
Business Management	Management Fundamentals	Accounting Fundamentals

Accounting

YEAR ONE	YEAR TWO	YEAR THREE
Business Management	Accounting Fundamentals	Advanced Accounting

Marketing & Sales

YEAR ONE	YEAR TWO	YEAR THREE
Business Management	Marketing Fundamentals	Strategic Marketing

APPLIED CAREER INFORMATION AND EXPLORATION • 0522A

Discover your strengths, explore careers, and prepare for life after high school!

This course is designed for students working toward the **Alternate Diploma** and provides opportunities to explore **career interests, personal strengths, skills, and the supports that can help you be successful at work and in the community**.

Students will learn important **workplace and life skills**, including how to communicate with others, be a responsible employee, make career decisions, and understand how people earn and manage money.

Through **hands-on, real-world experiences**, students may participate in community-based instruction, job shadowing, internships, mock interviews, guest speaker presentations, and other career exploration activities. Students will have opportunities to learn about a variety of **traditional and nontraditional careers** and discover what types of jobs may be a good fit for them.

Students may also create a **resume and career portfolio** and participate in career assessments to help identify their interests, strengths, and future goals.

This course is a great opportunity to **build confidence, practice workplace skills, explore career options, and prepare for a successful transition to life after high school**.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	4 units maximum
FULL YEAR	Alternate Diploma
NOTES:	Counts as an elective or employability requirement for the Alternate Diploma.

CAREER EXPLORATION INTERNSHIP • 0530

Explore careers and gain real-world work experience!

This course gives students the opportunity to **learn about careers while gaining hands-on experience in a real workplace**. Students may participate in a paid or unpaid internship with a business, organization, or employer connected to their career interests.

Instead of focusing on just one specific job, students will have the opportunity to **explore different areas of an industry or career field**. Students may rotate through different departments, job roles, or work sites to learn more about the many opportunities available within a career field.

Students will also meet regularly with their teacher or participate in a career seminar to **connect their workplace experiences to what they are learning in school**. Students will work with their teacher, parent/guardian, and employer to set goals and understand expectations for their internship.

This course is a great opportunity to **try out a career, build workplace skills, gain confidence, make professional connections, and discover what you enjoy doing** before graduating from high school.

OPEN TO:	Grades: 12
PREREQUISITES:	3.0 GPA or permission of the instructor.
FULL YEAR COURSE	A Core 40, THD, and AHD course.

ADVANCED ACCOUNTING • 4522

Take your accounting skills to the next level!

Ready to go beyond the basics of accounting? This course builds on what you learned in **Introduction to Accounting** and gives you a deeper understanding of how businesses manage and track their finances.

You'll learn how businesses use **double-entry accounting and Generally Accepted Accounting Principles (GAAP)** to record financial transactions. You'll work with both **manual and computerized accounting systems** and practice recording, organizing, and analyzing financial information.

You'll also learn how to **prepare, read, and interpret financial reports** and use financial information to help businesses make important decisions.

This course is a great choice for students interested in **business, finance, accounting, entrepreneurship, or careers in banking and financial management**.

💰 **Pathway Connection:** This course is **Year 3 of the Accounting Pathway** and builds on the knowledge and skills students developed in Years 1 and 2.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Principles of Business Management, Accounting Fundamentals
FULL YEAR COURSE	A Core 40, THD, AHD course.

ACCOUNTING FUNDAMENTALS • 4524

Build real-world skills in managing money and understanding how businesses work!

This course gives students a strong foundation in accounting and introduces the skills businesses use to keep track of their money. Students will learn how to record business transactions and use the accounting system of **debits and credits** to organize financial information.

Students will work through the **accounting cycle**, learning how to record transactions, prepare financial statements, and close the books for small businesses. Both service and merchandising businesses will be used to help students understand how accounting works in the real world.

Through hands-on practice, students will develop skills in organization, accuracy, problem-solving, and financial decision-making. These skills can be useful whether students plan to work in an office, pursue a career in accounting or finance, or eventually own their own business.

This course is a great starting point for students interested in **business, finance, accounting, entrepreneurship, banking, or office careers**.

💼 **Pathway Connection:** This course is **Year 2 of the Accounting Pathway** or **Year 2 or 3 of the Management Pathway**, building on the knowledge and skills students develop throughout these pathways.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Principles of Business Management
FULL YEAR COURSE	A Core 40, THD, AHD course.

PERSONAL FINANCIAL RESPONSIBILITY • 4540

Learn how to make smart money decisions for life after high school!

This course helps students build practical financial skills they can use in everyday life. Students will explore how to make informed decisions about money, set personal goals, and understand the difference between **needs, wants, and priorities**.

Students will learn about earning income, saving and investing, banking, budgeting, record-keeping, credit, and managing financial risks. They will also explore **insurance, taxes, consumer protection, and basic economics** to better understand the financial decisions they will face as adults.

Through hands-on, project-based activities, students will apply math skills to real-life financial situations and practice making decisions that can help them become more confident and responsible with money.

This course is a great choice for **any student who wants to feel more prepared for financial independence, college, careers, and life after high school.**

🎓 **Graduation Requirement: Personal Financial Responsibility is a graduation requirement for students in the Class of 2028 and beyond..**

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, AHD course.

PRINCIPLES OF BUSINESS MANAGEMENT • 4562

Discover how businesses work—and build skills you can use in the real world!

Ever wondered how businesses are organized, managed, and kept running successfully? In this course, students will explore **business ownership, organization, management, finance, administration, and decision-making** while learning how businesses solve everyday challenges.

Students will learn how managers use information and technology to communicate, solve problems, make decisions, and help businesses operate more effectively. Through hands-on activities and real-world business scenarios, students will have opportunities to practice the skills professionals use every day.

Technology will be an important part of the course. Students will develop practical skills using **spreadsheets, word processing, databases, and presentation software** to organize information, analyze data, communicate ideas, and create professional business documents and presentations.

This course is a great choice for students interested in **business, entrepreneurship, management, marketing, finance, technology, or careers in the business world.**

💼 **Pathway Connection: This course is Year 1 of any Business pathway and provides students with foundational knowledge and skills for future Business courses.**

OPEN TO:	Grades: 9-12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, AHD course.

PRINCIPLES OF BUSINESS MANAGEMENT • 4562 / BUS X100

Explore how businesses are managed—and learn what it takes to make smart business decisions!

What does it take to run a successful business? In this course, students will explore the role of business managers and learn how businesses operate in today's changing world. Topics will include business management, leadership, organization, decision-making, and business operations.

Students will examine how managers guide businesses through everyday challenges while considering the economic, political, and social factors that influence business decisions. Through real-world examples and business scenarios, students will gain a better understanding of how businesses operate, respond to change, and make decisions that affect employees, customers, and communities.

This course is a great choice for students interested in business, management, entrepreneurship, leadership, marketing, finance, or pursuing a career in the business world.

🎓 **Dual Credit Opportunity: This is an Indiana University Bloomington dual credit course. Students may earn college credit while completing their high school coursework.**

🏛️ **Indiana College Core Connection: This course counts toward the Social and Behavioral Ways of Knowing category of the Indiana College Core (ICC).**

OPEN TO:	Grades: 10-12
PREREQUISITES:	2.7 GPA
ONE SEMESTER COURSE	

PREPARING FOR COLLEGE AND CAREERS • 5394

Discover your strengths, explore your options, and start planning your future!

What do you want your life to look like after high school? This course helps students explore their interests, strengths, values, and goals while discovering how the choices they make today can create opportunities for tomorrow.

Students will build practical **life, career, communication, leadership, and employability skills** that can help them succeed in college, careers, and everyday life. They will learn how to transfer skills they are developing in high school to the workplace and other real-world settings.

Students will explore the **16 National Career Clusters** and Indiana's **College and Career Pathways** to discover careers and educational opportunities that match their interests. Students will investigate one or more pathways and learn about the education, training, and skills needed to pursue them.

The course also gives students an opportunity to review their **graduation plan, explore future options, and develop a personal career plan**. Students will learn how to manage personal resources and make thoughtful decisions about their future.

This course is a great choice for students who want to **better understand themselves, explore career possibilities, and create a plan for life after high school.**

🎓 **Graduation Requirement: Preparing for College & Careers is a graduation requirement for students pursuing all diploma types.**

OPEN TO:	Grades: 8-12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD

MARKETING FUNDAMENTALS • 5914

Learn how businesses attract customers, build brands, and sell products!

Why do some products become popular while others don't? In this course, students will explore how businesses use **marketing to understand customers, promote products, build brands, and grow in a global economy.**

Students will learn the **seven functions of marketing:** promotion, channel management, pricing, product and service management, market planning, marketing information management, and professional selling. Through real-world examples and projects, students will discover how these different areas work together to create successful marketing strategies.

Students will put their skills into action by developing an **integrated marketing plan** and completing other hands-on projects. Along the way, they will practice communication, problem-solving, critical thinking, and math skills while learning how businesses make marketing decisions.

This course is a great choice for students interested in **marketing, advertising, social media, sales, business, entrepreneurship, communications, or creative careers.**

📣 **Pathway Connection: This course is Year 2 of the Marketing Pathway and builds on the foundational knowledge and skills students developed in Year 1.**

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Principles of Business Management
FULL YEAR COURSE	A Core 40, THD, AHD course.

STRATEGIC MARKETING • 5918

Discover why people buy—and how businesses use that knowledge to make smart marketing decisions!

Ready to take your marketing skills to the next level? This course builds on the foundations learned in **Marketing Fundamentals** and explores how businesses create marketing strategies based on what customers want, need, and value.

Students will explore the basics of **consumer behavior** and discover how psychology, social psychology, and economics can influence the way people make purchasing decisions. They will examine why consumers choose certain products, brands, and services and how businesses use this information to connect with their customers.

Through real-world examples and marketing activities, students will explore the relationship between **consumer behavior and marketing strategies**. They will learn how understanding customers can help businesses make better decisions about products, advertising, pricing, and other marketing activities.

This course is a great choice for students interested in **marketing, advertising, business, psychology, social media, sales, entrepreneurship, or consumer behavior.**

📣 **Pathway Connection:** This course is **Year 3 of the Marketing Pathway** and builds on the knowledge and skills students developed in Years 1 and 2.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Principles of Business Management, Marketing Fundamentals
FULL YEAR COURSE	A Core 40, THD, AHD course.

MANAGEMENT FUNDAMENTALS • 7143

Learn how businesses are managed—and how the law impacts the workplace!

What does it take to manage a business and the people who work in it? In this course, students will explore the **roles and responsibilities of managers**, including how they organize activities, work with employees, solve problems, and make business decisions.

Students will also discover how the **legal system affects businesses** and learn about laws that impact everyday business operations. Topics include contracts, sales agreements, the Uniform Commercial Code (UCC), and what can happen when a contract is broken.

The course also explores **business ownership, property rights, and agency relationships**, helping students understand the legal responsibilities of businesses and the people who represent them.

Through real-world examples and business scenarios, students will develop skills in **critical thinking, problem-solving, decision-making, and understanding workplace responsibilities**.

This course is a great choice for students interested in **business, management, entrepreneurship, human resources, law, or careers in the corporate world.**

💼 **Pathway Connection: This course is Year 2 or 3 of the Management Pathway and builds on the knowledge and skills students develop throughout the pathway.**

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Principles of Business Management

FULL YEAR COURSE	A Core 40, THD, AHD course.

ACCOUNTING CAPSTONE • 7252

Take your accounting skills into the real world!

Ready to put your accounting knowledge to work? This capstone course gives students the opportunity to apply what they have learned in accounting to **real-world business situations and workplace experiences**.

Students will explore **managerial accounting, budgeting, financial decision-making, cost accounting, and income tax accounting**. They will learn how businesses use financial information to understand costs, create budgets, evaluate opportunities, and make important business decisions.

Students will also explore the basics of **federal and state income taxes** for individuals and sole proprietorships. Topics include taxable income, capital gains and losses, deductions, tax credits, and commonly used tax forms.

A key part of the course is **hands-on, work-based learning.** Students will have opportunities to gain experience in real workplaces, apply accounting skills to authentic tasks and projects, work with business professionals, and develop the communication, problem-solving, organization, and professional skills needed for success after high school.

This course is a great choice for students interested in a**ccounting, finance, business, banking, entrepreneurship, tax preparation, or other careers in the financial field** who want to gain experience beyond the classroom.

OPEN TO:	Grades: 12
PREREQUISITES:	Principles of Business, Accounting Fundamentals, Adv. Accounting
FULL YEAR COURSE	A Core 40, THD, and AHD course.

BUSINESS ADMINISTRATION CAPSTONE • 7256

Take your business skills to the next level and gain real-world experience!

Ready to go beyond the basics of business? This capstone course gives students the opportunity to explore **advanced business topics** while developing practical skills they can use in college, careers, and the workplace.

Students will explore areas such as **human resources, international business, and managerial accounting.** They will learn how businesses manage employees, operate in a global economy, and use financial information to make important business decisions.

Learning will be hands-on and focused on real-world business situations. Through **projects, labs, simulations, and business activities**, students will practice professional communication, teamwork, problem-solving, critical thinking, and decision-making.

A key part of the course is a **required work-based learning experience**. Students will have the opportunity to apply their classroom knowledge in a real workplace, gain firsthand experience in a business setting, work alongside professionals, and build valuable workplace skills and professional connections.

This course is a great choice for students interested in **business, management, human resources, accounting, entrepreneurship, international business, or leadership** who want to gain meaningful experience before graduating high school.

OPEN TO:	Grades: 12
PREREQUISITES:	Principles of Business, Accounting Fundamentals, Mgmt Fundamentals
FULL YEAR COURSE	A Core 40, THD, and AHD course.

Computer Science Department

Computer Science Pathway

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Computing	Topics in Computer Science	Computer Science

Pathway note: Computer Science

PRINCIPLES OF COMPUTING • 7183

Explore how computers work, solve problems, and power the world around us!

Curious about how technology works behind the scenes? In this course, students will explore the **fundamentals of computing and information systems** while learning how technology is used to organize information, solve problems, and support businesses and organizations.

Students will explore the **history and future of computing**, operating systems, databases, cybersecurity, cloud technology, and other important concepts in information management. They will discover how organizations use technology to store, protect, and manage information effectively.

Students will also be introduced to **algorithms, logic, and flowcharts**—tools programmers use to plan and solve problems. Through basic scripting and simple programming activities, students will begin learning how to give computers instructions and create solutions using code.

This course is a great choice for students interested in **computer science, cybersecurity, information technology, programming, data management, software development, or other technology-related careers.**

💻 **Pathway Connection: This course is Year 1 of the Computer Science Pathway and provides students with foundational knowledge and skills for future Computer Science courses.**

OPEN TO:	Grades: 9-11
PREREQUISITES:	None

FULL YEAR COURSE	A Core 40, THD, AHD course.

TOPICS IN COMPUTER SCIENCE • 7351

Explore the future of technology and create solutions to real-world problems!

Ready to take your computer science skills to the next level? Building on what you learned in **Principles of Computing**, this course gives students the opportunity to explore some of the fastest-growing areas of technology.

Students will investigate topics such as **data science, artificial intelligence, app and game development, and cybersecurity**. They will learn how these technologies are used in the real world and explore the skills professionals use to design, build, and protect digital solutions.

Students will apply their programming and problem-solving skills through **hands-on projects and authentic challenges**. They will have opportunities to create solutions, experiment with technology, and use what they learn to solve problems in creative ways.

This course is a great choice for students interested in **computer science, artificial intelligence, cybersecurity, data science, programming, app development, game design, or other technology-related careers.**

💻 **Pathway Connection: This course is Year 2 of the Computer Science Pathway and builds on the foundational knowledge and skills students developed in Year 1.**

OPEN TO:	Grades:10-12
PREREQUISITES:	Principles of Computing
FULL YEAR COURSE	A Core 40, THD, AHD course.

COMPUTER SCIENCE • 7352

Learn to code, solve problems, and build the skills behind today's technology!

Ready to learn how computer programs are created? This course introduces students to the **fundamentals of programming** and gives them a strong foundation in computer science.

Students will learn how to write and organize programs using **data types, control structures, functions, arrays, and files**. They will also practice running, testing, and debugging programs to find problems, improve their code, and create solutions that work.

Along the way, students will explore the **history and social impact of computing** and learn about computer science as a field of study and career. Students will develop logical thinking, problem-solving, and computational skills that can be applied far beyond the classroom.

This course is a great choice for students interested in **programming, software development, cybersecurity, artificial intelligence, game development, computer science, or other technology-related careers.**

💻 **Pathway Connection: This course is Year 3 of the Computer Science Pathway and builds on the knowledge and skills students developed in Years 1 and 2.**

OPEN TO:	Grades:10-12
PREREQUISITES:	Principles of Computing
FULL YEAR COURSE	A Core 40, THD, AHD course.

Construction Department

Construction Pathway

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Construction	General Carpentry	Framing and Finishing

Pathway note: Construction

CONSTRUCTION TRADES: FRAMING & FINISHING • 7122:

Build your skills and learn how the finishing touches turn a structure into a finished space!

Ready to take your construction skills to the next level? This hands-on course gives students the opportunity to develop advanced framing and finishing skills used in residential and commercial construction.

Students will learn how to complete important construction projects, including roofing, exterior finishes, drywall installation and finishing, doors and hardware, suspended ceilings, and trim work. They will also explore cold-formed steel framing and learn techniques used to create strong, finished structures.

Students will gain practical experience installing windows, doors, floor and ceiling trim, and cabinets while developing skills in measuring, planning, using tools safely, and paying attention to detail.

This course is a great choice for students who enjoy building, working with their hands, solving problems, and creating something they can see and use. It can also help prepare students for careers in construction, carpentry, remodeling, finish work, and the skilled trades.

🏗️ **Pathway Connection: This course is Year 2 of the Construction Trades Pathway and is taken along with Technical Math. It builds on the foundational knowledge and skills students developed in Year 1.**

OPEN TO:	Grades: 11-12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD course.

CONSTRUCTION TRADES: GENERAL CARPENTRY • 7123

Learn the skills, tools, and knowledge you need to get started in the construction industry!

Interested in building, creating, and working with your hands? This course introduces students to the **fundamentals of the construction trades** and provides a strong foundation for continuing into more advanced construction courses or career training.

Students will learn how to safely use **common hand and power tools** and become familiar with construction terminology and basic construction drawings. They will practice reading and understanding plans while learning how different parts of a construction project come together.

Safety, teamwork, communication, and problem-solving are important parts of the course. Students will also explore the different roles of workers and companies within the construction industry and discover how these professionals work together to complete projects.

Students will see how **math and communication skills** are used every day on a construction site, from taking measurements and calculating materials to communicating with coworkers and following project plans.

This course is a great choice for students who enjoy **hands-on learning, building and creating, working with tools, and solving practical problems**. It can help prepare students for careers in **construction, carpentry, electrical, plumbing, HVAC, and other skilled trades**.

🏗️ **Pathway Connection:** This course is **Year 1 of the Construction Trades Pathway** and is taken **along with Principles of Construction Trades**.

OPEN TO:	Grades: 10-12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD course.

PRINCIPLES OF CONSTRUCTION • 7130

Learn the tools, skills, and safety practices used by today's construction professionals!

Interested in building, creating, and working with your hands? This course introduces students to the **fundamentals of the construction industry** and provides the skills needed to continue into more advanced construction courses and career opportunities.

Students will learn about the **types and uses of common hand and power tools** and develop an understanding of how to use them safely. They will also learn basic construction terminology and practice reading and understanding **construction drawings and plans**.

Safety, teamwork, communication, and problem-solving are important parts of the course. Students will explore the different roles of workers and companies within the construction industry and learn how professionals work together to complete construction projects.

Students will also discover how **math and communication skills** are used every day in construction, from taking measurements and calculating materials to communicating with coworkers and following project plans.

This course is a great choice for students who enjoy **hands-on learning, building and creating, working with tools, and solving real-world problems**. It can help prepare students for careers in **construction, carpentry, electrical, plumbing, HVAC, and other skilled trades**

🏗️ **Pathway Connection: This course is Year 1 of the Construction Trades Pathway and is taken along with General Carpentry.**

OPEN TO:	Grades: 10-12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD course.

English Department

APPLIED ENGLISH 11 • 1006A

Build communication skills, explore great stories, and prepare for life after high school!

This integrated English course helps students build practical skills in **reading, writing, communication, and language** while exploring literature and nonfiction texts at an appropriate level of complexity for each student.

Students will read and explore a variety of **classic and contemporary literature and nonfiction**, including texts that connect to important historical and cultural topics. They will practice understanding, comparing, and evaluating what they read while developing skills they can use in school, work, and everyday life.

Students will also develop their writing skills through **personal narratives, responses to literature, summaries, persuasive and informational writing, and research projects** when appropriate. They will learn how to organize their ideas and communicate clearly for different purposes.

The course also focuses on **real-world communication and technology skills**. Students will interpret information presented in pictures, graphs, charts, and tables; create multimedia presentations; and practice finding and using information online.

This course is designed to help students strengthen their **communication, literacy, technology, and employability skills** as they prepare for their individual goals and life after high school.

🎓 **Alternate Diploma Course:** This course is **available only to students pursuing the Alternate Diploma.**

OPEN TO:	Grades: 11 - 12
APPLIED UNITS:	4 units maximum
FULL YEAR COURSE	Counts as an English/Language arts requirement for the Alternate Diploma.

ENGLISH 12 • 1008/ ENG W131 ACP

Build college-level writing skills—and earn college credit while you're in high school!

Ready to take your writing skills to the college level? W131 focuses on **academic writing, critical reading, critical thinking, and effective communication**. Students will explore topics and issues connected to culture and the world around them while learning how to develop and support their own ideas.

Students will learn how to closely read and analyze **written and cultural texts**, consider different perspectives, and connect their own experiences to ideas presented by experts and other sources. They will practice asking questions, examining evidence, and developing thoughtful conclusions.

A major focus of the course is learning how to use **sources effectively**. Students will practice incorporating research, responding to different viewpoints, and developing independent ideas through well-supported analytical writing.

Through a variety of college-level writing assignments, students will develop skills in **analysis, synthesis, argument, research, and critical thinking**. These skills can help students feel more prepared for college-level coursework and future careers.

This course is a great choice for students who enjoy writing, discussing ideas, exploring different perspectives, and want to experience college-level English while earning college credit.

🎓 IU ACP Dual Credit: This course is offered through Indiana University's Advanced College Project (ACP) program, giving students the opportunity to earn college credit while completing high school coursework.

OPEN TO:	Grades: 12
PREREQUISITES:	2.70 GPA
SEMESTER COURSE	Indiana College Core, Core 40, THD, and AHD course. Weighted
NOTES:	This course is dual credit through Indiana University.

ENGLISH 12 • 1008/ ENG L202 ACP

Explore literature, share your ideas, and learn how to think like a literary critic!

Ever wondered why authors make certain choices or how a story can have different meanings depending on the reader? In this course, students will learn how to **read literature closely, explore different interpretations, and develop their own ideas about what they read.**

Through **class discussions, focused writing assignments, and literary analysis**, students will examine how authors use characters, themes, language, structure, and other literary elements to communicate ideas. Students will also explore how literature can be influenced by **history, culture, and different types of writing.**

Students will develop important **critical-thinking, discussion, reading, and writing skills** as they learn how to support their ideas with evidence from literary works. These skills can help students feel more prepared for college-level English courses and future academic or career opportunities.

This course is a great choice for students who **enjoy reading, discussing ideas, writing, and looking at stories from different perspectives**—and for students who want to experience college-level English while earning dual credit.

🎓 IU ACP Dual Credit: This course is offered through Indiana University's Advanced College Project (ACP) program, giving students the opportunity to earn college credit while completing high school coursework.

OPEN TO:	Grades: 12
PREREQUISITES:	2.70 GPA
SEMESTER LONG COURSE	Indiana College Core, Core 40, THD, and AHD course. Weighted
NOTES:	This course can be taken for dual credit through Indiana University.

APPLIED ENGLISH 12 • 1008A

Build communication skills, explore great stories, and prepare for life after high school!

This integrated English course helps students build practical skills in **reading, writing, communication, and language** while exploring literature and nonfiction texts at an appropriate level of complexity for each student.

Students will read and explore a variety of **classic and contemporary literature and nonfiction**, including texts connected to important historical and cultural topics. They will practice understanding, comparing, and evaluating what they read while developing skills they can use in school, work, and everyday life.

Students will strengthen their writing skills through **personal narratives, responses to literature, summaries, persuasive and informational writing, and research projects** when appropriate. They will learn how to organize their ideas and communicate clearly for different purposes.

The course also focuses on **real-world communication and technology skills**. Students will learn to understand information presented in pictures, graphs, charts, and tables; create multimedia presentations; and find and use information online.

This course is designed to help students build **confidence, communication skills, literacy skills, technology skills, and employability skills** as they prepare for their individual goals and life after high school.

🎓 **Alternate Diploma Course:** This course is **available only to students pursuing the Alternate Diploma.**

OPEN TO:	Grades: 11 - 12
APPLIED UNITS:	4 units maximum
FULL YEAR COURSE	Counts as an English/Language arts requirement for the Alternate Diploma.

AMERICAN LITERATURE • 1020

Explore the stories, voices, and ideas that have shaped the United States! In American Literature, you'll read a variety of works from different time periods and genres, including novels, short stories, poetry, essays, and other forms of media.

You'll analyze and discuss what you read, consider different perspectives, and connect literature to American history, culture, and current society. You'll also explore how authors reflect the experiences, challenges, values, and ideas that have helped shape the United States.

Throughout the course, you'll strengthen your reading, writing, critical-thinking, and communication skills while discovering how literature can help us better understand both the past and the world we live in today.

📚 **English Requirement:** American Literature counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	Second semester only course. A Core 40, THD, AHD course.

CLASSICAL LITERATURE (HISTORICAL LITERATURE) • 1026

Explore classic and historical literature while discovering themes and ideas that continue to connect to our lives today. In this course, students will read a variety of fiction and nonfiction works and examine the historical and cultural settings in which they were written.

Through class discussions, independent reading, and research, students will explore universal themes, analyze different perspectives, and consider how literature reflects the growth and experiences of society. Students will also complete independent research projects and readings that prepare them to create written papers and presentations.

📚 **English Requirement:** Historical Literature counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	Second semester only course. A Core 40, THD, AHD course.

DRAMA LIT • 1028

Step into the world of drama and explore stories, characters, and themes that have connected with audiences across time. In this course, students will read and analyze a variety of dramatic works, along with fiction and nonfiction selections, while exploring universal themes and the cultural and historical settings that influenced them.

Students will examine how authors use characters, conflict, dialogue, and other dramatic elements to communicate ideas and explore the human experience. Through class discussions, independent reading, and research, students will develop their critical-thinking and communication skills while preparing written papers and presentations.

📚 **English Requirement:** Drama Lit counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	Second semester only course. A Core 40, THD, AHD course.

ETHNIC LITERATURE • 1032

Explore stories, perspectives, and experiences from a variety of cultural backgrounds. In Ethnic Literature, students will read works by authors from diverse ethnic cultures and examine how literature reflects identity, history, traditions, and lived experiences.

Students will explore themes and issues that are important to different cultural groups and consider how these experiences connect to larger national and historical events. Through reading, discussion, writing, and analysis, students will develop a deeper understanding of different perspectives while exploring the ways literature can shape our understanding of culture and society.

📚 **English Requirement:** Ethnic Literature counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	First semester only course. A Core 40, THD, AHD course.

FILM LITERATURE (HOLOCAUST) • 1034:

Explore how the Holocaust has been portrayed and remembered through film and other forms of storytelling. In this course, students will view and analyze films that address the Holocaust while examining historical events, individual experiences, and different perspectives.

Students will conduct independent research and complete readings to deepen their understanding of the Holocaust and evaluate how filmmakers present historical events. Through class discussions, written assignments, research projects, and presentations, students will develop critical-thinking skills while exploring the connections between history, literature, and film.

📚 **English Requirement:** Film Holocaust counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	Second semester only course. A Core 40, THD, AHD course.

GENRES OF LITERATURE (HOLOCAUST) • 1036

Explore the many ways stories and historical experiences can be told through literature. In this course, students will examine a variety of literary genres—including poetry, drama, novels, short stories, biographies, journals, diaries, essays, and other forms of writing—with a focus on the Holocaust period.

Students will compare works that explore the Holocaust and the experiences of individuals and communities during this time. They will examine how different genres shape the way historical events, personal experiences, and universal themes are communicated and understood.

Through reading, discussion, research, writing, and analysis, students will develop a deeper understanding of the Holocaust while exploring how literature can preserve history, share personal experiences, and help us understand the impact of historical events.

📚 **English Requirement:** Holocaust counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	
ONE SEMESTER COURSE	First semester course only. A Core 40, THD, AHD course.

GENRES OF LITERATURE (SPORTS LITERATURE) • 1036

Explore the world of sports through literature! In this course, students will read a variety of fiction and nonfiction works centered around sports and the people, stories, and experiences connected to them.

Students will explore universal themes such as teamwork, competition, perseverance, leadership, identity, and overcoming challenges while examining how sports influence culture and society. Through reading, discussion, research, writing, and presentations, students will develop critical-thinking and communication skills while gaining a deeper understanding of the role sports play in our world.

📚 **English Requirement:** Sports Literature counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	None
FIRST SEMESTER COURSE	Second semester only. A Core 40, THD, AHD course.

SHORT STORIES • 1046

Discover the power of a great story—without having to read a full-length novel! In this course, students will explore a variety of short stories from different authors, time periods, and perspectives. Stories may be organized around themes, historical periods, or individual authors.

Students will examine modern and contemporary short stories while exploring characters, themes, conflicts, and the choices authors make to connect with their audiences. Students will also discover what makes a short story unique and how it differs from other types of literature, such as novels, biographies, and epic stories.

Through reading, discussion, analysis, and writing, students will strengthen their critical-thinking and communication skills while discovering how short stories can explore big ideas in a small amount of space.

📚 **English Requirement:** Short Stories counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	First semester only course. A Core 40, THD, AHD course.

THEMES IN LITERATURE (DETECTIVE) • 1048

Put your detective skills to the test! In this course, students will explore the exciting world of detective literature through mystery stories, fiction, and film. Students will investigate clues, characters, conflicts, and universal themes while examining how authors and filmmakers build suspense and keep audiences guessing.

Through reading, viewing, discussion, and analysis, students will explore how detective stories have evolved and why mysteries continue to capture our attention. Students will also complete independent research and readings that will prepare them to create written papers and presentations while strengthening their critical-thinking and communication skills.

📚 **English Requirement:** Detective counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	First semester only. A Core 40, THD, AHD course.

WORLD LITERATURE (MYTHOLOGY) • 1052

Step into the fascinating world of myths, legends, heroes, and gods! In this course, students will explore mythology from a variety of cultures, including Greek and Roman, Celtic, Norse, Native American, and modern traditions.

Through reading, research, and discussion, students will discover how different cultures use myths to explain the world, explore human experiences, and pass down beliefs and traditions. Students will analyze mythological stories through both analytical and creative writing, including opportunities to create original pieces inspired by the styles and themes they study. Students will also share their learning through presentations throughout the semester.

📚 **English Requirement:** World Mythology counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	
FIRST SEMESTER COURSE	First semester course only. A Core 40, THD, AHD course.

ETYMOLOGY • 1060

Ever wonder where words come from—or why they mean what they do? In Etymology, students will become word detectives as they explore the origins and history of the English language. Students will discover how English words have developed from ancient and modern languages, including Latin, Greek, Germanic, and Romance languages.

Students will learn how roots, prefixes, and suffixes can help unlock the meaning of unfamiliar words and expand their vocabulary. They will also explore how words change over time and how the meaning of a word can change depending on how it is used.

Through word investigations, reading, discussion, research, and writing, students will uncover the stories behind the words we use every day and develop stronger vocabulary and language skills.

📚 **English Requirement:** Etymology counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	First semester only course. A Core 40, THD, AHD course.

DEBATE • 1070

Learn how to build a strong argument, think on your feet, and confidently communicate your ideas! In Debate, students will learn the fundamentals of effective debating, including how to develop and support arguments using evidence and logical reasoning.

Students will practice building both affirmative and negative arguments, researching and developing cases, responding to opposing viewpoints, and using evidence to strengthen their positions. Through debates, discussions, presentations, and persuasive speaking activities, students will develop skills in critical thinking, research, communication, and respectful disagreement.

Whether you enjoy public speaking, current issues, or simply want to become a more confident communicator, Debate will give you practical skills you can use in school, college, careers, and everyday life.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	Second semester only course. A Core 40, THD, AHD course.

SPEECH • 1076

Build confidence, improve your communication skills, and learn how to make your voice heard! In Speech, students will learn the fundamentals of effective oral communication and practice speaking clearly and confidently in front of others.

Students will prepare and deliver a variety of speeches and multimedia presentations, including informative, persuasive, instructional, demonstration, viewpoint, and impromptu speeches. They will learn how to adapt their message, vocabulary, tone, and delivery to different audiences and purposes while using effective gestures and presentation skills.

Through hands-on speaking activities and presentations, students will strengthen their public-speaking, communication, critical-thinking, and presentation skills—skills that can be valuable in high school, college, careers, and everyday life.

📚 **English Requirement:** Speech counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

OPEN TO:	Grades 10 - 12
PREREQUISITES:	English 9
ONE SEMESTER COURSE	A Core 40, THD, AHD course.

ADVANCED SPEECH • 1078/ P155 ACP

Take your communication skills to the next level with **IU High ACP (Advanced College Project)**! This course focuses on effective speaking, listening, presentation, and communication skills while giving students the opportunity to earn **Indiana University dual credit**.

Students will explore oral interpretation, media communication, research methods, and debate while learning how to communicate effectively with different audiences and for different purposes. Students will prepare and deliver a variety of presentations, including speeches designed to inform, motivate, entertain, and persuade.

Through hands-on practice, students will develop and use several speaking styles, including impromptu, extemporaneous, memorized, and manuscript delivery. This course is a great opportunity for students who want to build confidence, strengthen public-speaking skills, and earn college credit while still in high school.

📚 **English Requirement:** Advanced Speech counts as an **English credit and fulfills an English requirement for all Indiana diploma types**.

🎓 IU ACP Dual Credit: This course is offered through Indiana University's Advanced College Project (ACP) program, giving students the opportunity to earn college credit while completing high school coursework.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	Speech if taken during grade 11, None if taken during grade 12
ONE SEMESTER COURSE	Indiana College Core, Core 40, THD, and AHD course. Weighted
NOTES:	This course can be taken for dual credit through Indiana University.

STUDENT MEDIA • 1086

Tell your school's story and make your voice heard! Student Media is a hands-on course where students build real-world skills in journalism, writing, design, and communication while creating content for high school media.

Students will have the opportunity to contribute to **school newspapers, yearbooks, digital media, and other school publications**. They'll learn how to research and write engaging stories, design content, conduct interviews, and communicate information clearly for a variety of audiences and purposes.

Students will also explore the **ethical and legal responsibilities of student journalism**, including how to make responsible decisions when gathering, creating, and publishing information. Through their work on a high school media staff, students will develop skills in writing, creativity, teamwork, communication, and meeting deadlines.

Whether you're interested in **journalism, communications, writing, graphic design, media, or simply want to develop your creative voice**, Student Media provides practical experience you can use in high school, college, and future careers.

🎨 **Fine Arts Credit:** Student Media counts as a **Fine Arts credit** toward graduation requirements.

OPEN TO:	Grades 11- 12
PREREQUISITES:	Journalism
FULL YEAR COURSE	A Core 40, THD, AHD course.

JOURNALISM • 1089

Learn how stories are created, reported, and shared! In Journalism, students explore the world of news and digital media while developing practical skills in writing, interviewing, research, photography, and media design.

Students will learn how journalists gather and verify information, identify **fact vs. opinion**, write accurate and engaging stories, and understand the history, ethics, and First Amendment rights connected to journalism. Students will practice writing a variety of journalistic pieces, including **news stories, feature articles, editorials, reviews, columns, and digital media content**.

For students earning a second credit, the course expands into **graphic design, advertising, public relations, photojournalism, and emerging media**. Students will explore how images, design, and messaging influence audiences and learn how to recognize and avoid false or misleading information.

Through hands-on projects, students will **write, photograph, design, and publish stories** for print and digital media. Journalism is a great choice for students interested in writing, communications, photography, graphic design, social media, marketing, or other media-related careers.

📚 **Elective Credit:** Journalism counts as an **elective credit** toward graduation requirements.

OPEN TO:	Grades 10 - 12
PREREQUISITES:	NONE
ONE SEMESTER COURSE	A Core 40, THD, AHD course.

ADVANCED ENGLISH COLLEGE CREDIT • 1124/ L111 ACP

Take your English skills to the college level—and earn college credit while you're still in high school! Advanced English/Language Arts is an **IU High ACP (Advanced College Project) course** designed for students ready for the challenge of college-level reading, writing, and communication.

This advanced course aligns with **Indiana University's L111 Advanced English/Language Arts** and the Indiana Academic Standards for English/Language Arts in grades 11 and 12. Students will develop advanced skills in **critical reading, analytical and argumentative writing, research, communication, and the effective use of evidence**.

Through challenging readings, discussions, writing assignments, and projects, students will explore complex ideas and learn to communicate their thinking clearly and effectively. The course provides a strong foundation for students preparing for college and other postsecondary opportunities.

🎓 **IU Dual Credit:** This is an **IU High ACP course that provides students the opportunity to earn Indiana University dual credit** while completing their high school English coursework.

OPEN TO:	Grades: 11
PREREQUISITES:	Students must have a 2.7 cumulative GPA or higher
SEMESTER LONG COURSE	Indiana College Core, Core 40, THD, and AHD course. Weighted
NOTES:	This course can be taken for dual credit through Indiana University

Family and Consumer Science Department

Teaching Pathway

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Teaching	Child and Adolescent Development	Teaching and Learning

Fashion Pathway

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Fashion and Textiles	Textiles, Apparel, and Merchandising	Advanced Textiles

Interior Design

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Interior Design	Interior Design Fundamentals	Materials, Finishes, and Design

Culinary Pathway

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Hospitality	Nutrition	Culinary Arts

INTERIOR DESIGN FUNDAMENTALS • 7127

Turn your creativity into real-world design skills! Interior Design Fundamentals is the **second course in the Interior Design pathway** and gives students a deeper look at how designers create spaces that are functional, comfortable, and visually appealing.

Students will learn how to **plan and analyze spaces, arrange and select furniture, choose materials and finishes, and create professional design presentations** based on the needs of the people using a space. Students will also explore the basics of residential construction, building structures, construction materials, and reading floor plans and other building drawings.

As students develop their design skills, they will explore **building codes, sustainable design practices, construction techniques, site planning, and digital or hand-rendered design drawings**. Hands-on projects will give students opportunities to apply what they learn and develop skills used by professionals in interior design, architecture, construction, and related careers.

Whether you enjoy **creativity, design, problem-solving, or working with spaces**, this course provides a great opportunity to build practical skills and continue exploring careers in the design and construction industries.

🏠 **Pathway Connection:** This course is **Year 2 of the Interior Design Pathway** and builds on the foundational knowledge and skills students developed in Year 1.

OPEN TO:	Grades: 10-12
PREREQUISITES:	Principles of Interior Design
FULL YEAR COURSE	A Core 40, THD, AHD course.

MATERIALS, FINISHES, AND DESIGN • 7128

Discover how materials and finishes bring a space to life! As the **third course in the Interior Design pathway**, Materials, Finishes, and Design gives students hands-on knowledge of the materials, textiles, furniture, and design

details used to create beautiful, functional spaces.

Students will explore the **characteristics, uses, durability, and sustainability** of a wide variety of materials and finishes. A major focus of the course is textiles, where students will learn about different fiber sources, identify and classify fabrics, and explore how textiles are selected based on their appearance, function, and environmental impact.

Students will apply what they learn to interior design applications such as **window treatments, upholstery, carpeting, and wall coverings**. They will also explore how designers select, estimate, and install materials while considering environmental concerns, sustainability, cost, and the needs of the space.

Through projects and hands-on activities, students will build practical skills that can be used in **interior design, architecture, construction, furniture, textiles, and other design-related careers**.

🏠 **Pathway Connection:** This course is **Year 3 of the Interior Design Pathway** and builds on the knowledge and skills students developed in Years 1 and 2.

OPEN TO:	Grades: 11-12
PREREQUISITES:	Principles of Interior Design, Interior Design Fundamentals
FULL YEAR COURSE	A CORE 40, THD and AHD course.

PRINCIPLES OF INTERIOR DESIGN • 7132

Discover how color, creativity, and design can transform a space! Principles of Interior Design is the first course in the Interior Design pathway and introduces students to the fundamentals of interior design and the principles that help create spaces that are functional, comfortable, and visually appealing.

Students will explore design theory, color, composition, and the psychology of space while learning how design choices can influence the way people feel and interact with their surroundings. They will apply these concepts to three-dimensional design projects and explore how human needs, culture, and social influences can shape a space.

Through hands-on activities and design projects, students will develop creative problem-solving, communication, presentation, and peer-evaluation skills. Students will have opportunities to share their ideas, receive feedback, and refine their designs.

Whether you're interested in interior design, architecture, construction, art, or simply enjoy being creative, this course is a great starting point for exploring the exciting world of design.

🏠 Pathway Connection: This course is the first course in the Interior Design Pathway and provides students with the foundational knowledge and skills they will build on in future courses.

OPEN TO:	Grades: 9-12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, AHD course.

CHILD AND ADOLESCENT DEVELOPMENT • 7157/ EDUC 121

Ever wonder why children think, learn, and grow the way they do? Child and Adolescent Development is the **second course in the Teaching pathway** and can also be taken as an **elective course** by students who are interested in working with children, education, psychology, healthcare, or other people-focused careers.

Students will explore how children develop from **birth through adolescence**, with a focus on the middle years through the teenage years. Topics include **physical, social, emotional, cognitive, and moral development**, as well as the biological and environmental factors that influence growth and learning.

Students will explore major child-development theories and examine how **parents, peers, schools, culture, technology, and media** can influence a child's development. Through observation and interviewing activities, students will have opportunities to connect what they learn in class to real-world experiences. An observation experience of up to **20 hours may be required**.

🎓 **Dual Credit Opportunity:** This course is approved for **Ivy Tech dual credit**. Students pursuing dual credit must meet Ivy Tech's course prerequisites and earn a **C or better** in the course to receive college credit.

📚 **Elective Option:** Students do not have to be pursuing the Teaching pathway to take this course—it can also be taken as an **elective**.

🍎 **Pathway Connection:** This course is **Year 2 of the Teaching Pathway** and builds on the foundational knowledge and skills students developed in Year 1.

OPEN TO:	Grades 10 - 12
PREREQUISITES:	
FULL YEAR COURSE	A Core 40, THD, AHD course.
NOTES:	This course can be taken for dual credit through Ivy Tech.

PRINCIPLES OF TEACHING • 7161/ EDUC 101

Discover what it takes to become a teacher and make a difference in students' lives! Introduction to Teaching is the **first course in the Teaching pathway** and provides students with an inside look at the education profession.

Students will explore **different careers in education, teacher preparation programs, professional expectations, and teacher certification requirements**. They will also examine current trends, issues, and topics affecting schools and educators today.

A key part of the course is gaining **real-world experience in an educational setting**. Students are required to complete a **minimum of 20 hours of volunteer experience**, giving them the opportunity to observe and participate in an educational environment while connecting classroom learning to the teaching profession.

🎓 **Dual Credit Opportunity:** This course is approved for **Ivy Tech dual credit**. Students pursuing dual credit must meet Ivy Tech's course prerequisites and earn a **C or better** in the course to receive college credit.

🍎 **Pathway Connection:** This course is **Year 1 of the Teaching Pathway** and provides students with foundational knowledge and skills for future courses in the pathway.

OPEN TO:	Grades 9-11
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, AHD course.
NOTES:	This course can be taken for dual credit through Ivy Tech.

TEACHING AND LEARNING • 7162/ W200 ACP

Put your teaching skills into practice and explore the technology transforming today's classrooms! Teaching and Learning is the **third course in the Teaching pathway** and gives students the opportunity to apply what they have learned throughout the Education Professions pathway.

Students will explore **effective teaching practices and strategies** while learning how technology can support instruction, assessment, communication, and classroom management. Through hands-on activities, students will work with educational software, digital tools, and commonly used computer hardware to discover how technology can enhance the learning experience.

Students will have opportunities to **design, evaluate, and apply technology-based learning activities** while developing practical skills that can be used in a classroom setting. This course is ideal for students interested in teaching, education, technology, or careers working with children and young people.

🎓 IU ACP Dual Credit: This course is offered through Indiana University's Advanced College Project (ACP) program, giving students the opportunity to earn college credit while completing high school coursework.

🍎 **Pathway Connection:** This course is **Year 3 of the Teaching Pathway** and builds on the knowledge and skills students developed in Years 1 and 2.

OPEN TO:	Grades 10 - 12
PREREQUISITES:	Principles of Teaching
FULL YEAR COURSE	A Core 40, THD, AHD course.
NOTES:	This course can be taken for dual credit through IU Bloomington.

CULINARY ARTS • 7169

Build your cooking skills and discover the art and science behind great food! Culinary Arts is the **third course in the Hospitality pathway** and is taken **together with Nutrition**. This hands-on course gives students experience with professional cooking and baking techniques used in restaurants, bakeries, and other food-service settings.

Students will learn how to prepare the **four major stocks, five mother sauces, additional sauces, and a variety of soups** while continuing to develop classical cooking techniques and professional kitchen skills.

The course also introduces the **science of baking**, including baking terminology, ingredients, measurements, equipment, and proper kitchen practices. Students will put their skills to work creating a variety of baked goods, including **yeast breads, pies, cakes, cookies, and quick breads**.

Through hands-on cooking and baking experiences, students will build **creativity, teamwork, problem-solving, kitchen safety, and food-preparation skills** while exploring careers in culinary arts, baking, hospitality, and food service

🍳 **Pathway Connection:** This course is **Year 3 of the Culinary Pathway** and is taken **along with Nutrition**.

OPEN TO:	Grades: 10-12
PREREQUISITES:	Principles of Hospitality
FULL YEAR COURSE	A Core 40, THD, AHD course.

NUTRITION • 7171

Discover how food fuels the body and learn how to make nutritious choices! Nutrition is the **second course in the Hospitality pathway** and is taken **together with Culinary Arts**. This course combines nutrition knowledge with hands-on food preparation to help students understand how the foods we eat affect our health, energy, and overall well-being.

Students will explore the **six major nutrient groups**, their functions, and the foods that provide them. They will learn how food preparation and storage can affect nutrient value and discover how nutritional needs change throughout different stages of life.

Through hands-on activities, students will apply what they learn to **menu planning and food preparation**. Projects may include preparing nutrient-dense meals, exploring the nutritional needs of student athletes, and evaluating how food choices can support different health and lifestyle needs.

This course is a great opportunity for students interested in **nutrition, culinary arts, health and wellness, hospitality, fitness, healthcare, or food-related careers**.

🍳 **Pathway Connection:** This course is **Year 2 of the Culinary Pathway** and is taken **along with Culinary Arts**.

OPEN TO:	Grades: 10-12
PREREQUISITES:	Principles of hospitality
FULL YEAR COURSE	A Core 40, THD, AHD course.

PRINCIPLES OF HOSPITALITY • 7173

Discover the exciting world of hospitality and the many careers it has to offer! Principles of Hospitality is the **first course in the Hospitality pathway** and introduces students to the food service, lodging, and hospitality industries.

Students will explore a variety of **hospitality careers and career opportunities** while learning what it takes to provide excellent service and help a hospitality business operate successfully. Topics include **decision-making,**

operations, products, staffing, customer service, and revenue.

Safety and sanitation are also an important part of the course. Students will learn how to maintain a **safe, clean, and healthy environment** while exploring the laws and regulations related to food safety, sanitation, fire safety, and workplace practices.

Through real-world examples and hands-on learning, students will build skills in **communication, teamwork, problem-solving, decision-making, and customer service**—skills that can be used in hospitality and many other careers.

🍳 **Pathway Connection:** This course is **Year 1 of the Culinary Pathway** and provides students with foundational knowledge and skills for future courses in the pathway.

OPEN TO:	Grades: 9-11
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, AHD course.

INTERIOR DESIGN CAPSTONE • 7248

Take your interior design skills from the classroom into the real world! Interior Design Capstone allows students to build on the knowledge and skills they developed throughout the Interior Design pathway through advanced coursework and hands-on experiences.

A key part of the course is a **work-based learning experience**, where students can apply their design skills in a real-world setting. Students will have the opportunity to explore what it is like to work in the interior design field while developing professional skills such as **communication, teamwork, problem-solving, creativity, and workplace responsibility**.

This capstone experience helps students connect their classroom learning to **careers, postsecondary education, and future opportunities in interior design and related fields**.

OPEN TO:	Grades: 12
PREREQUISITES:	Principles of Interior Design, Interior Design Fundamentals, Materials, Finishes, and Design
FULL YEAR COURSE	A CORE 40, THD and AHD course.

EDUCATION PROFESSIONS CAPSTONE • 7267

Put your teaching skills into practice and experience what it's like to work in a classroom! Education Professions Capstone gives students an opportunity to build on the knowledge and skills they developed throughout the Teaching pathway through advanced learning and **hands-on classroom experience**.

Students will explore topics such as **special education, exceptional learners, inclusive teaching strategies, and literacy development through children's literature**. They will learn about the theories, policies, and laws that support students with diverse learning needs and discover strategies for creating an inclusive and supportive classroom environment.

Students interested in **elementary education** will have opportunities to explore how children's literature can support learning and development. The course can also be tailored to students interested in **secondary education** and other careers in teaching.

A significant part of the course is a **classroom observation and assisting experience**, allowing students to work alongside educators and apply what they have learned in an authentic school setting. This experience helps students develop professional skills such as **communication, teamwork, leadership, problem-solving, and classroom management** while exploring whether a career in education is right for them.

OPEN TO:	Grades: 12
PREREQUISITES:	Recommended Principles of teaching, Child & Adolescent Development, and Teaching and Learning.
FULL YEAR COURSE	A CORE 40, THD and AHD course.

PRINCIPLES OF FASHION AND TEXTILES • 7301

Explore your creativity and discover the world of fashion! Principles of Fashion and Textiles is the **first course in the Fashion pathway** and introduces students to the many careers and opportunities available in the fashion and textile industry.

Students will explore the **fashion creation process** while building foundational skills they can use in fashion design, clothing construction, merchandising, textiles, and related careers. The course provides hands-on opportunities to learn **basic clothing construction techniques, pattern alterations, and how to use commercial patterns**.

Whether you're interested in **designing clothes, creating your own style, working with textiles, or exploring a career in the fashion industry**, this course provides a great starting point for developing practical skills and discovering where your creativity can take you.

👗 **Pathway Connection:** This course is **Year 1 of the Fashion Pathway** and provides students with foundational knowledge and skills for future courses in the pathway.

OPEN TO:	Grades 9 - 12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, AHD course.

TEXTILES, APPAREL, AND MERCHANDISING • 7302

Discover what happens behind the scenes in the fashion industry! Textiles, Apparel, and Merchandising is the **second course in the Fashion pathway** and takes students beyond clothing design to explore the many businesses, careers, and processes that bring fashion products from an idea to the customer.

Students will explore the **fashion industry, textile materials, apparel production, fashion designers, retailers, and the businesses and services that support the industry**. They'll learn how raw materials are transformed into finished products and how fashion trends, consumers, and businesses influence what we wear.

Through projects and real-world examples, students will gain a better understanding of the **creative, business, and production sides of fashion** while exploring careers in design, merchandising, retail, textiles, marketing, and other fashion-related fields.

👗 **Pathway Connection:** This course is **Year 2 of the Fashion Pathway** and builds on the foundational knowledge and skills students developed in Year 1.

OPEN TO:	Grades 11 - 12
PREREQUISITES:	Principles of Fashion and Textiles
FULL YEAR COURSE	A Core 40, THD, AHD course.

ADVANCED TEXTILES • 7303

Take a closer look at the materials behind the fashion we wear every day! Advanced Textiles is the **third course in the Fashion pathway** and explores how fibers, yarns, fabrics, and finishes come together to create textiles used in clothing and other products.

Students will investigate different **types of fibers and yarns, methods of fabric construction, and textile finishes** while learning how these characteristics affect the look, feel, durability, performance, and care of fabrics.

Through hands-on exploration and projects, students will develop skills for **identifying, selecting, using, and caring for textiles** while gaining a deeper understanding of how textile choices influence fashion and design.

This course is a great fit for students interested in **fashion design, textiles, clothing, merchandising, interior design, or other creative and design-related careers**.

👗 **Pathway Connection:** This course is **Year 3 of the Fashion Pathway** and builds on the knowledge and skills students developed in Years 1 and 2.

OPEN TO:	Grades 11-12
PREREQUISITES:	Principles of fashion and Textiles and Apparel and Merchandising
FULL YEAR COURSE	A Core 40, THD, AHD course.

FASHION AND TEXTILES CAPSTONE • 7304

Explore how fashion has changed and gain real-world experience in the fashion industry! Fashion Textile Capstone provides students with the opportunity to explore the **evolution of Western fashion from ancient times through the twentieth century** while examining the styles, trends, and cultural influences that shaped what people wore.

Students will investigate how clothing styles have **changed over time** and explore representative designs from

different historical periods. They will also learn how to evaluate the **quality, appearance, construction, comfort, and function** of apparel.

Through hands-on analysis of ready-to-wear clothing, students will identify the features that contribute to a garment's **aesthetic appeal, durability, fit, and performance**.

A key part of the course is the **work-based learning (WBL) experience**, giving students the opportunity to apply their fashion and textile knowledge in a real-world setting. Students will develop professional skills such as **communication, teamwork, problem-solving, workplace responsibility, and professionalism** while exploring careers in fashion, textiles, merchandising, retail, and related fields.

OPEN TO:	Grades 12
PREREQUISITES:	Principles of fashion, Textiles and Apparel and Merchandising, and Advanced Textiles
FULL YEAR COURSE	A Core 40, THD, AHD course.

Health and Human Services Department

Pre Nursing/ Healthcare Specialist

YEAR ONE	YEAR TWO	YEAR THREE
Principles of Healthcare	Healthcare Fundamentals	Healthcare Specialist/ CNA

HEALTHCARE FUNDAMENTALS • 5274/ HLHS 101

Start building the skills you need for a future in nursing and healthcare! Healthcare Fundamentals is the **first course in the Pre-Nursing pathway** and is taken **together with Principles of Healthcare**. Together, these courses introduce students to the knowledge, skills, and terminology used in nursing and other health science careers.

Students will learn the **medical language used to describe the human body**, including common medical abbreviations, symbols, and word parts from Greek and Latin. They will explore **cells, tissues, body systems, anatomy, and basic physiology** while learning how medical terms connect to the body and its functions.

Through hands-on activities and real-world healthcare examples, students will practice **pronouncing, spelling, defining, and using medical terms correctly**. Students will also learn how to interpret medical information and communicate accurately using the language of the healthcare field.

This course provides a strong foundation for students interested in **nursing, medical assisting, physical therapy, radiology, healthcare administration, and other health science careers**.

🏥 **Pathway Connection:** This course is **Year 1 of the Pre-Nursing Pathway** and is taken **along with Principles of Healthcare**.

📝 **Application & Interview Required:** Students interested in the Pre-Nursing pathway must **complete an application and participate in an interview** as part of the selection process. **Only 10 students will be selected** for the Pre-Nursing pathway.

🎓 **Ivy Tech Dual Credit:** Students have the opportunity to earn **Ivy Tech dual credit** while completing their high school coursework.

OPEN TO:	10
PREREQUISITES:	Application based. Course combined with principles of healthcare.
FULL YEAR COURSE	A Core 40, THD, AHD course.
NOTES	Dual Credit through Ivy Tech

HEALTHCARE SPECIALIST: CNA • 7166/ HLHS 107

Take your healthcare skills to the next level and prepare for a career as a Certified Nursing Assistant (CNA)! Healthcare Specialist: CNA is the **second course in the Pre-Nursing pathway** and gives students hands-on experience with the knowledge, skills, and professional behaviors needed to provide quality care to patients and residents.

Students will learn how to provide basic care in healthcare settings such as **hospitals, long-term care facilities, and home health agencies** while working under the direction of licensed healthcare professionals. Topics include patient care, safety, communication, disease processes, and the unique needs of individuals receiving long-term care, including those living with dementia.

Through classroom instruction and hands-on learning, students will develop practical skills used by nursing assistants and gain a better understanding of what it is like to work in the healthcare field. The course also emphasizes professionalism, compassion, communication, and respect for the individuals receiving care.

Students who successfully complete the required CNA training are **eligible to apply to take the Indiana State Department of Health (ISDH) Certified Nursing Assistant certification examination**. The course meets the minimum training standards established by the ISDH for CNA education and healthcare workers in long-term care facilities.

🩺 **Pathway Connection:** This course is **Year 2 of the Pre-Nursing Pathway**. Students must be **accepted into the Pre-Nursing Pathway program** to enroll in this course.

🎓 **Ivy Tech Dual Credit:** Students have the opportunity to earn **Ivy Tech dual credit** while completing their high school coursework.

💼 **Career Ready:** This course provides valuable hands-on experience for students interested in nursing, healthcare, and other health science careers.

OPEN TO:	11
PREREQUISITES:	Principles of Healthcare & Healthcare Fundamentals
FULL YEAR COURSE	A Core 40, THD, AHD course.

NOTES	Dual Credit through Ivy Tech

PRINCIPLES OF HEALTHCARE • 7168/ HLHS 100

Explore the many possibilities in healthcare and discover where your future could take you! Principles of Healthcare is part of the **first year of the Pre-Nursing pathway** and is taken **together with Healthcare Fundamentals**. Together, these courses give students a strong foundation in healthcare knowledge, skills, and career exploration.

Students will explore healthcare careers and develop foundational skills used in a variety of health science settings. Topics may include **patient care, nursing, dental care, animal care, medical laboratory services, public health, and healthcare systems**. Students will learn how healthcare professionals work together to provide safe, effective, and compassionate care.

Through hands-on lab experiences and career-focused activities, students will have opportunities to practice skills related to their areas of interest while developing **communication, teamwork, professionalism, problem-solving, and patient-care skills**. The course is designed to help students connect classroom learning to real-world healthcare careers.

🏥 **Pathway Connection:** This course is **Year 1 of the Pre-Nursing Pathway** and is taken **along with Healthcare Fundamentals**.

📝 **Application & Interview Required:** Students interested in the Pre-Nursing pathway must **complete an application and participate in an interview** as part of the selection process. **Only 10 students will be selected** for the Pre-Nursing pathway.

🎓 **Ivy Tech Dual Credit:** Students have the opportunity to earn **Ivy Tech dual credit** while completing their high school coursework.

🩺 **Pathway Requirement:** Students must be **accepted into the Pre-Nursing pathway program** to enroll in this course.

OPEN TO:	10
PREREQUISITES:	Application based. Combined with healthcare fundamentals.
FULL YEAR COURSE	A Core 40, THD, AHD course.
NOTES	Dual Credit through Ivy Tech.

Health and Physical Education Department

HEALTH & WELLNESS • 3506

In this course, students explore topics that help them make informed decisions and build healthy habits for life. Topics include growth and development, mental and emotional health, nutrition, family life, personal health,

consumer health, alcohol, tobacco and other drugs, injury prevention, environmental health, and disease prevention.

Students learn how everyday choices affect their overall health and quality of life. Through technology, hands-on activities, and class discussions, they develop health literacy skills and learn to take responsibility for their personal health and wellness.

Course Requirements: Students will complete a semester research project on a health topic of interest. The project includes a written report, a visual presentation, and an oral presentation. A written final exam is also required. All coursework aligns with Indiana's state health education standards.

🎓 Graduation Requirement: This course is required for graduation.

OPEN TO:	Grades: 8 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, AHD course.

APPLIED HEALTH & WELLNESS • 3506A

In this course, students learn how to make healthy choices and develop habits that support lifelong health and wellness. Topics include personal health, physical activity, nutrition, safety and injury prevention, mental and emotional health, tobacco and drug prevention, human development, and family health.

Students explore how their choices, values, and surroundings influence their health. Through class activities, discussions, and hands-on learning, they develop practical skills in decision-making, goal-setting, communication, finding reliable health information, and maintaining healthy habits. Students also learn how to reduce health risks, build healthy relationships, and encourage others to make healthy choices.

All coursework aligns with Indiana’s Academic Standards for Health and Wellness.

🎓 Alternate Diploma: This course is available only to students working toward an alternate diploma.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	2 units maximum
ONE SEMESTER COURSE	Counts as an elective or health & Wellness requirement for the Alternate Diploma.

PHYSICAL EDUCATION I • 3542

Get moving, build your skills, and discover activities you can enjoy for a lifetime! This course focuses on health-related fitness and helps students develop the skills, knowledge, and healthy habits needed to stay active throughout their lives.

Students will participate in a variety of activities designed to improve cardiorespiratory endurance, muscular strength and endurance, flexibility, and body composition. Depending on the course schedule, activities may include aerobic exercise, team sports, individual and dual sports, outdoor activities, aquatics, and recreational games.

Students will develop skills, learn rules and strategies, and participate in both individual and group activities. Fitness activities are incorporated regularly, including a daily mile run, along with other physical activities and fitness assessments. Some units will also include written tests and assignments.

How Your Grade Is Determined

Students are evaluated through both written assessments and performance-based activities. Grades may include:

- Participation and effort
- Attitude and sportsmanship
- Behavior and cooperation
- Dressing appropriately and being prepared for class
- Performance on fitness and skill assessments
- Written tests and assignments

Students are expected to participate regularly and come prepared for class. Excessive absences or consistently choosing not to participate in activities may affect a student's grade.

🏃 Final Assessment: The final assessment includes a timed mile run. The required time will be announced by the instructor. Students who are unable to complete the run may have the option of completing a written assessment, as determined by the instructor.

🎓 Graduation Requirement: This course is required for graduation.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

PHYSICAL EDUCATION I ADVANCED • 3542

Train with purpose, build your fitness, and become a stronger athlete! This course is especially recommended for students who participate in **school sports or other athletic activities**. Students will focus on improving their fitness, developing athletic skills, and building healthy habits that can support an active lifestyle.

Students will participate in a variety of activities designed to improve **cardiorespiratory endurance, muscular strength and endurance, flexibility, and overall fitness**. The course also gives students opportunities to develop skills and apply rules and strategies through activities such as **team sports, individual and dual sports, aerobic exercise, outdoor activities, aquatics, recreational games, and other fitness-based activities**.

Students will challenge themselves through a variety of physical activities while learning the importance of **goal setting, teamwork, sportsmanship, effort, and lifelong fitness**. Activities and expectations may vary throughout the course to provide students with a well-rounded fitness experience.

📋 **Assessment:** Students will be evaluated throughout the course through a combination of **written assessments, fitness activities, skill evaluations, and performance-based activities**.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	Must be an Indian Creek athlete
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

APPLIED PHYSICAL EDUCATION I • 3542A

Get active, build confidence, and discover activities you can enjoy for a lifetime! Adapted Physical Education is designed to help students develop physical fitness, movement skills, and healthy habits through activities that are matched to their individual needs and abilities.

Students will participate in a variety of physical activities, with opportunities to explore at least four areas such as **team sports, dual sports, individual activities, outdoor activities, self-defense and martial arts, aquatics, gymnastics, and dance**. Activities focus on building skills that students can use both in school and throughout their lives.

The course emphasizes **participation, personal progress, fitness, teamwork, confidence, and lifelong physical activity**. Students will work toward individual goals and have opportunities to build their skills through supportive, hands-on activities.

📋 **Assessment:** Student progress is evaluated throughout the course through **individual progress, participation, and performance-based skill assessments**.

🎓 **Alternate Diploma Requirement:** This course is available **only to students who are working toward the Indiana Alternate Diploma**.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	2 units maximum
FULL YEAR COURSE	Counts as a physical education requirement for the Alternate Diploma.

PHYSICAL EDUCATION II • 3544

Keep moving, build new skills, and discover more ways to stay active! Physical Education II builds on the skills and experiences from Physical Education I while introducing students to four new areas of physical activity that were not covered in their first PE course.

Students will have opportunities to participate in activities such as team sports, dual sports, individual activities, outdoor pursuits, self-defense and martial arts, aquatics, gymnastics, and dance. Activities are

designed to help students improve their physical skills while developing the knowledge and confidence needed to stay active and healthy throughout their lives.

Through participation and hands-on activities, students will work on fitness, teamwork, sportsmanship, skill development, goal setting, and lifelong healthy habits. The course provides opportunities for students to explore activities they may continue enjoying beyond high school.

📋 **Assessment: Students will be evaluated through a combination of written assessments, skill evaluations, participation, and performance-based activities.**

🎓 Graduation Requirement: This course is required for graduation.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

APPLIED PHYSICAL EDUCATION II • 3544A

In this course, students build on the skills learned in Physical Education I while exploring new physical activities and ways to stay active. Students participate in a variety of activities, which may include team sports, individual and dual sports, outdoor activities, self-defense and martial arts, aquatics, gymnastics, and dance.

Through participation and practice, students develop physical skills, improve fitness, learn teamwork, and explore activities they can enjoy throughout their lives. Student progress is assessed through individual improvement, participation, and skill performance.

🎓 Alternate Diploma: This course is available only to students working toward an alternate diploma.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	2 units maximum
FULL YEAR COURSE	Counts as a physical education requirement for the Alternate Diploma.

ELECTIVE PHYSICAL EDUCATION (APC) • 3560:

In this course, student-athletes focus on improving strength, endurance, speed, and overall athletic performance. Students use the weight room to build muscular strength and endurance while learning proper lifting techniques and safe equipment use. Conditioning activities include running, plyometrics, and other exercises designed to improve athletic performance. Students also learn about nutrition and how healthy eating habits support training, recovery, and success in sports.

🏅 Eligibility: This course is available only to Indian Creek High School athletes.

OPEN TO:	Grades: 10 - 12 (2nd semester freshmen may be considered.)

PREREQUISITES:	PE I or PE I ADV, Indian Creek athletes only
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

ELECTIVE PHYSICAL EDUCATION (AQUATICS) • 3560:

In this course, students develop water safety skills and build confidence in and around the water. Students learn and practice survival swimming strokes, including freestyle, elementary backstroke, and sidestroke. They also develop skills in floating, treading water, and moving efficiently through the water.

Through aquatic games and activities, students strengthen their swimming abilities while building teamwork, communication, and confidence. The course emphasizes water safety, personal responsibility, and skills that can be used throughout life.

OPEN TO:	Grades: 10 - 12 (2nd semester freshmen may be considered.)
PREREQUISITES:	PE I or PE I ADV, Indian Creek athletes only
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

ELECTIVE PHYSICAL EDUCATION (PILATES) • 3560

In this course, students focus on improving physical fitness, flexibility, strength, balance, and mental wellness through Pilates, stretching, and breathing exercises. Students participate in low-impact workouts designed to reduce stress, improve body awareness, and promote relaxation.

Through mindfulness activities and guided movement, students learn techniques to manage stress, develop a positive mindset, and build healthy habits they can use in everyday life.

OPEN TO:	Grades: 10 - 12 (2nd semester freshmen may be considered.)
PREREQUISITES:	PE I or PE I ADV
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

ELECTIVE PHYSICAL EDUCATION (LIFETIME FITNESS) • 3560

Lifetime Physical Education gives students the opportunity to stay active, have fun, build social skills, and explore activities they can enjoy throughout their lives. Unlike traditional PE classes that focus on structured units and competitive sports, this course emphasizes choice, creativity, teamwork, and fitness in a relaxed, less competitive environment.

Students participate in a variety of recreational activities, including Spikeball, Four Square, Ultimate Frisbee, volleyball, pickup basketball, kickball, walking, stretching, and other fun movement-based activities. Students will rotate between teacher-led activities and free-choice options, allowing them to try new games and choose activities that interest them.

This course is ideal for students who want to stay active, reduce stress, build teamwork skills, and develop a positive attitude toward lifelong fitness without the pressure of competitive sports.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	PE I or PE I ADV
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

ELECTIVE PHYSICAL EDUCATION (WALK, JOG, RUN) • 3560

This course helps students improve cardiovascular endurance, overall fitness, and lifelong wellness through walking, jogging, running, and other cardio-based activities. Designed for students of all fitness and experience levels, the course focuses on personal progress, setting individual goals, and building healthy habits rather than competition or athletic ability.

Students participate in a variety of activities, including walking and running workouts, interval training, fitness circuits, and conditioning exercises. They learn proper warm-up and cool-down techniques, pacing, walking and running form, and ways to track their fitness progress.

Through indoor and outdoor activities, students work toward improving endurance, building fitness, reducing stress, and understanding how regular physical activity supports both physical and mental well-being. The course encourages students to find enjoyable ways to stay active and maintain a healthy lifestyle throughout their lives.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	PE I or PE I ADV
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

APPLIED ELECTIVE PHYSICAL EDUCATION • 3560A

In this course, students develop physical fitness skills and explore activities that support a healthy, active lifestyle. Students work on improving cardiovascular endurance, muscular strength and endurance, flexibility, and overall fitness while learning how regular physical activity contributes to lifelong health and wellness.

Students participate in sports, recreational activities, and exercise while learning the basics of physical fitness and movement. With teacher support, students have the opportunity to create a personal fitness plan, set individual goals, and monitor their progress. Student growth is assessed through individual improvement, participation, and skill development.

The course emphasizes personal progress, building confidence, and developing healthy habits that students can use throughout their lives.

🎓 Alternate Diploma: This course is available only to students working toward an alternate diploma.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	8 units maximum

ONE SEMESTER COURSE	Counts as the Health & Wellness requirement for the Alternate Diploma.

Math Department

ALGEBRA I • 2520

In Algebra I, students build on their middle school math skills and learn how to use algebra to solve problems and understand mathematical relationships. Topics include linear equations and inequalities, functions, systems of equations, quadratic equations, and polynomial expressions.

Students explore linear and exponential relationships, analyze patterns in data, and learn different strategies for solving equations and working with quadratic functions. Through problem-solving activities and real-world applications, students develop critical-thinking skills and learn to recognize how algebra can be used in everyday situations and future math courses.

🎓 Graduation Requirement: This course is required for graduation.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD elective credit course.

APPLIED ALGEBRA I • 2520A

In this course, students build on their middle school math skills while learning practical algebra concepts. Topics include number sense, mathematical expressions, computation, linear equations and inequalities, functions, systems of equations, and introductory quadratic and exponential equations.

Through guided instruction, practice, and problem-solving activities, students develop skills for working with numbers, recognizing patterns, solving equations, and understanding mathematical relationships. The course follows Indiana's Algebra I Content Connectors and focuses on building foundational math skills for everyday life and future learning.

🎓 Alternate Diploma: This course is available only to students working toward an alternate diploma.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	4 units maximum
FULL YEAR COURSE	Counts as a math requirement for the Alternate Diploma.

ALGEBRA II • 2522

Algebra II builds on the concepts learned in Algebra I and helps students develop stronger problem-solving and critical-thinking skills. Students explore linear and quadratic functions and expand their understanding of polynomial, rational, exponential, logarithmic, and radical functions.

Additional topics include polynomials, complex numbers, rational exponents, sequences and series, and the equations and graphs of conic sections. Throughout the course, students practice solving equations, analyzing patterns, interpreting graphs, and applying algebraic concepts to mathematical problems and real-world situations.

🎓 Graduation Requirement: This course is required for graduation.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Algebra I
FULL YEAR COURSE	A Core 40, THD, and AHD course.

ALGEBRA II HONORS • 2522

Algebra II Honors covers the same core concepts as regular Algebra II but explores them in greater depth and at a faster pace. Students strengthen their problem-solving and critical-thinking skills while expanding their understanding of algebraic concepts and functions. The course also introduces trigonometry to help prepare students for advanced mathematics.

🎓 Dual Credit Prerequisite: Algebra II Honors is required for students planning to take the IU ACP Dual Credit Pre-Calculus/Trigonometry course.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Algebra I and Geometry with a B or higher. Geometry Honors preferred or teacher approval.
FULL YEAR COURSE	A Core 40, THD, and AHD course.

CALCULUS • 2527/ M211 ACP

Calculus builds on students' previous math courses and explores how quantities change and how mathematical relationships can be used to solve complex problems. Students study functions, graphs, limits, continuity, derivatives, and integrals while reviewing algebra, trigonometry, and mathematical modeling.

Throughout the course, students learn to analyze functions, calculate rates of change, and use derivatives and integrals to solve problems in real-world situations. Emphasis is placed on logical reasoning, problem-solving, and applying mathematical concepts to prepare for advanced college-level mathematics and related fields.

🎓 IU ACP Dual Credit: This course is offered through Indiana University's Advanced College Project (ACP) program, giving students the opportunity to earn college credit while completing high school coursework.

OPEN TO:	Grades: 12
PREREQUISITES:	Pre-Calculus and Trig Honors with a B- or above or permission of instructor.
FULL YEAR COURSE	Indiana College Core, Core 40, THD, and AHD course. Weighted
NOTES:	This course can be taken for dual credit through Indiana University.

FINITE MATHEMATICS • 2530/ M118 ACP

Finite Mathematics is designed for students planning to pursue college-level math or earn an Academic Honors diploma or the Indiana College Core. Students learn how to use mathematical models and problem-solving strategies to understand and solve real-world problems.

Topics include set theory, counting and probability, introductory statistics, matrices, linear programming, game theory, Markov chains, and financial mathematics. These concepts are especially useful for students interested in business, social sciences, life sciences, and physical sciences.

🎓 IU ACP Dual Credit: This course is offered through Indiana University's Advanced College Project (ACP) program, giving students the opportunity to earn college credit while completing high school coursework.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Algebra II or Algebra II Honors with a C- or above or teacher recommendation.
FULL YEAR COURSE	Indiana College Core or Core 40, THD, and AHD course. Weighted
NOTES:	This course can be taken for dual credit through Indiana University.

GEOMETRY • 2532

Geometry is a full-year course that explores the properties and relationships of two- and three-dimensional shapes. Students study lines, angles, triangles, circles, quadrilaterals, polygons, and other geometric figures while learning about congruence, similarity, and spatial relationships.

Throughout the course, students develop critical-thinking and problem-solving skills by using logical reasoning, writing geometric proofs, and applying trigonometric ratios to solve problems involving triangles. Students also participate in hands-on investigations, geometric constructions, and technology-based activities to strengthen their understanding of geometric concepts.

Building math vocabulary, practicing logical reasoning, and developing strong study habits are important for success in this course.

📐 Course Requirement: Students must have a scientific calculator.

🎓 Graduation Requirement: This course is required for graduation.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Recommended Algebra I
FULL YEAR COURSE	A Core 40, THD, and AHD course.

GEOMETRY HONORS • 2532

Geometry Honors covers the same core concepts as regular Geometry but explores them in greater depth and at a faster pace. Students study the properties and relationships of lines, planes, angles, circles, triangles, quadrilaterals, and other polygons.

Throughout the course, students strengthen their critical-thinking and problem-solving skills through geometric investigations, constructions, and formal proofs. Greater emphasis is placed on logic, deductive reasoning, and understanding why geometric principles work. Students will work with more challenging problems and use technology to deepen their understanding of geometric concepts.

Strong math vocabulary, logical reasoning, and effective study habits are important for success in this course.

📐 Course Requirement: Students must have a scientific or graphing calculator.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	Algebra I with a B or higher, or teacher approval
FULL YEAR COURSE	A Core 40, THD, and AHD course.

APPLIED GEOMETRY • 2532A

In this course, students build on their middle school math skills while exploring the properties and relationships of geometric shapes. Topics include points, lines, angles, planes, triangles, quadrilaterals, other polygons, circles, transformations, and three-dimensional figures.

Through guided instruction, hands-on activities, and problem-solving practice, students learn to recognize shapes, understand geometric relationships, and apply math concepts to real-world situations. The course follows Indiana's Geometry Content Connectors and focuses on developing practical math skills, logical thinking, and problem-solving strategies.

🎓 Alternate Diploma: This course is available only to students working toward an alternate diploma.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	4 units maximum
FULL YEAR COURSE	Counts as a math requirement for the Certificate of Completion.

PRE-CALCULUS: ALGEBRA • 2564

Pre-Calculus: Algebra builds on the algebra and functions students have learned in previous math courses and prepares them for college-level mathematics, including calculus. Students explore more advanced functions and learn how to use mathematical concepts to solve complex problems.

Topics include quadratic, polynomial, and rational functions; exponential and logarithmic functions; sequences and series; and conic sections. Students also strengthen their understanding of angles, measurement, and mathematical relationships while developing critical-thinking and problem-solving skills.

This course is designed for students who plan to pursue college programs or careers that involve advanced mathematics, such as engineering, science, technology, or other math-related fields.

📐 Course Requirement: A graphing calculator is required. A TI-83 Plus Silver Edition or TI-84 is recommended.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Algebra I, Geometry and Algebra II with a C or higher.
SEMESTER COURSE	A Core 40, THD, and AHD course. Weighted

PRE-CALCULUS: ALGEBRA HONORS • 2564/ M125 ACP

Pre-Calculus: Algebra builds on the algebra and functions students have learned in previous math courses and prepares them for calculus and other advanced college-level mathematics. Students explore more advanced mathematical concepts and learn to apply them to solve complex problems.

Topics include quadratic, polynomial, and rational functions; exponential and logarithmic functions; sequences and series; and conic sections. Students also strengthen their understanding of angles, measurement, functions, and mathematical relationships while developing critical-thinking and problem-solving skills.

This course is ideal for students planning to pursue college programs or careers that involve advanced mathematics, such as engineering, science, technology, business, or other math-related fields.

📐 Course Requirement: A graphing calculator is required. A TI-83 Plus Silver Edition or TI-84 is recommended.

🎓 IU ACP Dual Credit: This course is offered through Indiana University's Advanced College Project (ACP) program. Eligible students have the opportunity to earn college credit while completing their high school

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Algebra I, Geometry and Algebra II Honors with an overall GPA of 2.70 or higher.
SEMESTER COURSE	Indiana College Core, Core 40, THD, and AHD course. Weighted
NOTES:	This course can be taken for dual credit through Indiana University.

PRE-CALCULUS: TRIGONOMETRY • 2566

re-Calculus: Trigonometry builds on students' previous math skills and explores how angles, triangles, and mathematical patterns relate to the world around us. Students learn how trigonometry is used in fields such as engineering, medicine, music, finance, computer programming, and other science, technology, engineering, and math (STEM) careers.

Topics include the unit circle, triangles, periodic functions, trigonometric identities, polar coordinates, complex and imaginary numbers, and vectors. Students develop problem-solving and critical-thinking skills while learning to analyze patterns, work with angles, and apply trigonometric concepts to solve problems.

This course helps prepare students for advanced college-level mathematics and future studies or careers that require strong math skills.

📐 Course Requirement: A graphing calculator is required. A TI-83 Plus Silver Edition or TI-84 is recommended.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Algebra I, Geometry and Algebra II with a C or higher.
SEMESTER COURSE	A Core 40, THD, and AHD course. Weighted

PRE-CALCULUS: TRIGONOMETRY HONORS • 2566/ M126 ACP

Pre-Calculus: Trigonometry builds on students' previous math skills and explores how angles, triangles, and mathematical patterns are used in the world around us. Students learn how trigonometry applies to fields such as music, engineering, medicine, finance, computer programming, and other science, technology, engineering, and math (STEM) careers.

Topics include the unit circle, triangles, periodic functions, trigonometric identities, polar coordinates, complex and imaginary numbers, and vectors. Students strengthen their problem-solving and critical-thinking skills while learning to apply these concepts to real-world situations. The course also develops the mathematical reasoning and skills needed for success in advanced college-level mathematics.

📐 Course Requirement: A graphing calculator is required. A TI-83 Plus Silver Edition or TI-84 is recommended.

🎓 IU ACP Dual Credit: This course is offered through Indiana University's Advanced College Project (ACP) program. Eligible students can earn both high school and college credit.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Algebra I, Geometry and Algebra II Honors with a C or higher.
SEMESTER COURSE	Indiana College Core, Core 40, THD, and AHD course. Weighted
NOTES:	This course can be taken for dual credit through Indiana University.

PRIME MATH • 2595

PRIME Math helps students strengthen the math skills they need for success after high school. Using a curriculum developed by the Southern Regional Education Board (SREB), students review and build on concepts from Algebra I, Geometry, Algebra II, and Statistics.

Rather than simply memorizing formulas and procedures, students focus on understanding why math works and how to use it. They practice problem-solving, critical thinking, and applying math concepts to different situations.

This course is designed for students who have met the minimum high school math requirements but would benefit from additional practice and support before taking college-level math courses that earn college credit. PRIME Math helps students build confidence and prepare for future education and career opportunities.

OPEN TO:	Grades: 12
PREREQUISITES:	Algebra I, Geometry and Algebra II
SEMESTER COURSE	Core 40, THD, and AHD course.

Multidisciplinary

BASIC SKILLS DEVELOPMENT • 0500

Basic Skills Development helps students strengthen the skills they need to succeed in high school and prepare for life beyond graduation. Students work on reading, writing, listening, speaking, math computation, note-taking, organization, study habits, and problem-solving.

Instruction is tailored to each student's individual needs and learning goals, using Indiana standards and the student's Individualized Education Program (IEP) or other individualized plan when applicable. Through guided practice and support, students build confidence, improve their learning strategies, and develop skills they can use in school, everyday life, and future opportunities.

OPEN TO:	Grades: 9-12
PREREQUISITES:	None
FULL YEAR COURSE	One semester course

APPLIED BASIC SKILLS DEVELOPMENT • 0500A

Applied Basic Skills Development helps students strengthen the academic, organizational, problem-solving, and employability skills they need for success in high school and life after graduation. Students practice reading, writing, listening, speaking, math computation, note-taking, study skills, organization, and workplace readiness.

Instruction is personalized to each student's learning needs and goals, using Indiana standards and Content Connectors, along with the student's Individualized Education Program (IEP) or other individualized plan, when applicable. Students have opportunities to apply what they learn to real-life situations, including activities that build independence and support participation in the community.

🎓 Alternate Diploma: This course is available only to students working toward an alternate diploma.

OPEN TO:	Grades: 10 - 12
APPLIED UNITS:	8 units maximum
FULL YEAR COURSE	Counts as an employability requirement or elective for the Alternate Diploma.

APPLIED COMMUNITY SERVICE • 0524A

Applied Community Service gives students the opportunity to earn high school credit by participating in approved community service projects or volunteer activities. Students gain hands-on experience helping others, contributing to their community, and developing important skills such as teamwork, communication, responsibility, and dependability. Service activities must meet course guidelines and relate to a course the student is currently taking or plans to take.

Students in grades 9–12 may earn up to two high school credits through approved community service experiences. This course fulfills the employability requirement for the alternate diploma.

🎓 Alternate Diploma: This course is available only to students working toward an alternate diploma.

OPEN TO:	Grades 11, 12
APPLIED UNITS	2 maximum
FULL YEAR COURSE	Alternate Diploma

iNTRODUCTION TO PUBLIC SERVICE • 3524

Introduction to Public Service explores career opportunities in both military and non-military public service. Students learn how public service supports communities and contributes to society while discovering the personal and professional benefits of serving others.

The course includes an overview of U.S. military history and the history of non-military public service. Students also explore military customs and courtesies, ethical decision-making, leadership, and critical-thinking skills. They learn about a variety of public service careers, including job responsibilities, entry requirements, and available incentives.

Through these topics, students gain a better understanding of public service careers and the skills needed to lead, make responsible decisions, and make a positive impact in their communities.

OPEN TO:	Grades 11, 12

PREREQUISITES	None
FULL YEAR COURSE	Required for the Enlistment Seal

Music Department

Band Pathway

YEAR ONE	YEAR TWO	YEAR THREE
Concert Band	Concert Band or Symphonic Band	Symphonic Band

Pathway note: Business Management (anytime during pathway)

Choir Pathway

YEAR ONE	YEAR TWO	YEAR THREE
Intermediate Choir	Intermediate Choir or Vocal Jazz	Advanced Choir

Pathway note: Business Management (anytime during pathway)

PIANO AND ELECTRONIC KEYBOARD • 4204

Piano and Electronic Keyboard introduces students to playing the piano and electronic keyboard while building musical skills and confidence. Students learn proper posture, hand position, fingering, rhythm, and articulation as they develop their ability to read and perform music.

Students practice playing a variety of musical selections, create simple accompaniments, and explore composing and improvising their own melodies and harmonies. They also learn to listen to and analyze music from different styles, practice sight-reading, and make musical choices that express their own interpretation of a piece.

This course is a great opportunity for students to develop their musicianship, creativity, and appreciation for music.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	1 semester of band or choir recommended but not required.
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

APPLIED MUSIC VOICE • 4200

Applied Music in Voice gives students the opportunity to work closely with the choral director to strengthen their singing skills and improve their vocal performances. Students learn proper posture, breathing, and vocal techniques while developing confidence as solo singers.

Students practice reading music through sight-reading and music theory activities. They explore and perform a variety of musical styles, including classical, jazz, folk, and contemporary music. Students also learn to evaluate musical performances and develop their ability to perform, create, and respond to music.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	1 semester of band or choir recommended but not required.
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

APPLIED MUSIC GUITAR • 4200

Applied Music in Guitar introduces students to playing the guitar while building musical skills, creativity, and confidence. Students learn proper posture and playing techniques, along with how to read guitar music through sight-reading and music theory. They also explore traditional Western music theory and learn to read chord progressions using lead sheets.

Students practice and perform a variety of musical styles, including classical, jazz, folk, and contemporary music. They develop listening skills by evaluating musical performances and learning to recognize different musical techniques. By the end of the course, students will build the skills needed to read guitar music and learn new pieces independently.

🎸 No previous guitar experience is required. Students must provide their own guitar or have their own access to an instrument.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	Must have your own guitar.
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

APPLIED MUSIC PERCUSSION PERFORMANCE • 4200

Percussion Performance introduces students to a variety of percussion instruments and helps them develop their musical skills in a fun, hands-on learning environment. This course is ideal for students who are new to percussion as well as Indian Creek band students who want to expand their percussion experience.

Students learn to play pitched percussion instruments, such as the xylophone, marimba, orchestra bells, chimes, and vibraphone, along with unpitched instruments, including drums, cymbals, and other percussion accessories. They practice performing both independently and as part of an ensemble while developing teamwork and listening skills.

Students also explore the basics of music theory, including rhythm and reading treble and bass clefs. Through practice and performance, they build musicianship, confidence, and an appreciation for creating music together.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

INTERMEDIATE CONCERT BAND • 4168

Intermediate Concert Band helps students strengthen their instrumental skills and grow as musicians through rehearsals, ensemble playing, and performances. Students develop proper tone, technique, tuning, music-reading, listening, and music-analysis skills while exploring a variety of concert band selections from different musical styles and historical periods.

Students learn how to work together as an ensemble, interpret a composer's intentions, and bring music to life through performance. The course builds musicianship, teamwork, discipline, and confidence while helping students deepen their understanding and appreciation of music.

🎵 Performance Expectations: Students are required to participate in performances and related musical activities outside the regular school day. Additional rehearsals may also be scheduled outside of school hours.

💲 Course Costs: Students may have costs for instrument supplies and maintenance, such as reeds or instrument oil. Students who play percussion or use a school-provided instrument may also be charged an instrument rental fee.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	Prior enrollment in band at ICHS or ICMS, or approval from the director.
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	This course may be repeated for credit.

ADVANCED CONCERT BAND (SYMPHONIC) • 4170

Advanced Concert Band gives students the opportunity to build on their instrumental skills and perform challenging concert band music. Through ensemble and solo performances, students strengthen their tone, technique, tuning, music-reading, listening, and music-analysis skills while exploring music from different historical periods and styles.

Students expand their musicianship through activities such as improvising, conducting, playing by ear, and sight-reading. They learn to interpret a composer's intentions and communicate musical ideas through performance. This course also emphasizes teamwork, discipline, confidence, and a deeper understanding of music.

🎵 Performance Expectations: Students are required to participate in performances and related musical activities outside the regular school day. Additional rehearsals may also be scheduled outside of school hours.

💲 Course Costs: Students may have costs for instrument supplies and maintenance, such as reeds or instrument oil. Students who play percussion or use a school-provided instrument may also be charged an instrument rental fee.

OPEN TO:	Grades: 9 - 12

PREREQUISITES:	Students must have taken at least 2 semesters of Intermediate concert Band, and completed an audition before enrollment in Advanced Symphonic Band.
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	This course may be repeated for credit.

ELECTRONIC MUSIC • 4202

Electronic Music introduces students to the creative world of music technology. Students explore how technology is used to record, produce, compose, and edit music while developing hands-on skills with electronic media and digital music tools.

The course begins with the history of electronic music and explores how sound works through music physics and acoustics. Students then learn about recording techniques, electronic music composition, sound design, and the music business. They also examine copyright laws and other legal issues that affect musicians and music producers.

Through creative projects and hands-on activities, students develop the skills to create, perform, and evaluate music while discovering how technology shapes today's music industry.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

AP MUSIC THEORY • 4210

AP Music Theory is a challenging, college-level course designed for students who want to develop a deeper understanding of how music works. Students explore melody, harmony, rhythm, texture, musical form, and musical styles while learning to analyze music and create their own compositions. The course also focuses on reading and writing musical notation, ear training, sight-singing, and recognizing musical patterns by listening.

This course is ideal for students who are serious about music or are considering majoring in music in college or pursuing a music-related career. Because the coursework is rigorous and comparable to a first-semester college music theory course, students should be prepared for in-depth study and regular practice.

🎓 **Eligibility:** Students must have completed at least two years of band or choir. Students with piano or private music-study experience outside of school may also be eligible with a teacher recommendation.

🎼 **Course Recommendation:** Students planning to major in music are encouraged to take AP Music Theory during their junior or senior year. The skills and knowledge gained in this course can help prepare students for college music studies and entrance auditions.

📝 **AP Exam:** Taking the AP Music Theory exam in the spring is highly recommended.

OPEN TO:	Grades: 11 - 12

PREREQUISITES:	2 years of band, choir, or completion of Introduction to music theory.
FULL YEAR COURSE	A Core 40, THD, and AHD course. Weighted.

ADVANCED FINE ARTS, COLLEGE CREDIT • 4260/ HUMA 118

Music Appreciation introduces students to a variety of musical styles, genres, composers, and compositions from different time periods and cultures. Students develop their listening skills and explore how music communicates emotions, tells stories, and serves as a form of art, entertainment, and self-expression.

Students examine how music influences culture and how culture shapes the music we hear. They also have opportunities to discuss and evaluate musical selections and are strongly encouraged to attend a live musical performance to experience music firsthand.

🎓 Ivy Tech Dual Credit: This course offers students the opportunity to earn both high school and college credit through Ivy Tech Community College.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	
FULL YEAR COURSE	A Core 40, THD, and AHD course. Weighted.
NOTES:	Can be taken for dual credit through Ivy Tech.

INTERMEDIATE CHORUS • 4186

Intermediate Chorus is an audition-only, competitive show choir open to students throughout the school. Students do not need to be enrolled in another chorus to audition. This ensemble focuses on developing vocal skills, musicianship, and performance abilities through group and solo singing. Students will practice reading rhythms, melodies, and harmonies while performing a variety of musical styles, ranging from pop to Renaissance music.

This group performs more frequently than other choral ensembles and features choreography, so students should have a sense of rhythm and be comfortable learning movement to music. The music is more challenging, and students are expected to demonstrate strong musical ability, participate actively, improve their skills, and contribute to the success of the ensemble.

🎤 **Auditions:** Auditions will be announced. Students must demonstrate considerable musical ability to be considered for this competitive ensemble.

🎵 **Performance Expectations:** Students are required to attend additional rehearsals and participate in all scheduled chorus performances, including activities outside the regular school day.

📌 **Course Commitment:** Because this is a performance-based class, students may not drop the course without permission from the director.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD course.

NOTES:	This course may be repeated for credit.

ADVANCED CHORUS • 4188

Advanced Chorus is an audition-only, mixed show choir open to students throughout the school. Students do not need to be enrolled in another chorus to audition. This ensemble is designed for students with strong musical abilities who are ready for a more challenging choral and performance experience.

Students develop advanced vocal skills and musicianship through ensemble and solo singing. They will perform challenging choral music in a variety of styles, ranging from pop to Renaissance. Students will also learn to read rhythms, melodies, and harmonies, interpret music, and communicate the composer's intent to connect with an audience. Choreography is included, so students should have a sense of rhythm and be comfortable learning movement to music.

Students are expected to demonstrate musical ability, participate actively, improve their skills, and contribute to the success of the ensemble. Advanced Chorus performs more frequently than other chorus classes and requires a strong commitment to rehearsals and performances.

🎤 **Auditions:** Auditions will be announced. Students must demonstrate considerable musical ability to be considered. The music and performance expectations are more challenging than those of other choral ensembles.

🎵 **Performance Expectations:** Students are required to attend additional rehearsals and participate in all scheduled performances, including activities outside the regular school day.

📌 **Course Commitment:** Because this is a performance-based class, students may not drop the course without permission from the director.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	Passed audition
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	This course may be repeated for credit.

VOCAL JAZZ • 4184

Vocal Jazz is an audition-only course that gives students the opportunity to develop their singing skills and musicianship while exploring a variety of jazz styles. Students practice singing individually and as part of an ensemble while learning about the history of jazz and the musical techniques and styles that make jazz unique.

Students will build their creativity and musical understanding through improvisation, composing, arranging, performing, listening, and analyzing music. The course focuses on developing vocal technique, musical expression, and the ability to perform jazz with confidence and style.

🎤 **Auditions:** This is an audition-only class. Students should demonstrate strong vocal skills, musical ability, and a willingness to grow as a performer.

🎵 **Performance Expectations:** Students are required to participate in performances and related musical activities outside the regular school day. Additional rehearsals may also be scheduled outside of school hours.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	Passed audition
FULL YEAR COURSE	A Core 40, THD, and AHD course.

MUSICAL THEATER • 0518

Musical Theater gives students a hands-on look at the many creative and technical parts of producing a musical. Students explore the history of musical theater and its role in today's society while gaining experience with staging, choreography, rehearsals, performance, and the technical side of production.

Students may take part in designing, building, managing, and supporting a musical production while developing skills in areas such as acting, directing, stagecraft, and arts management. The course may also explore specialized theater topics, including Shakespeare, Children's Theatre, and other areas of theater arts.

Students will learn through creating, performing, analyzing, and responding to theater. They will also explore careers in the performing arts, attend and critique theatrical productions, and learn about the role audiences and community members play in supporting the arts.

🎭 **Performance Expectations:** Students are required to participate in after-school activities related to the high school musical, including rehearsals and **every scheduled performance**. Additional time outside the regular school day should be expected during the production process.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

Science Department

APPLIED BIOLOGY I • 3024A

Biology explores the science of life and how living things function, grow, reproduce, and interact with their environment. Students will study topics such as cell structure and reproduction, cellular chemistry, energy transfer, matter cycles, ecosystems, heredity, genetics, and evolution.

Students will learn how scientists use observations, experiments, and evidence to understand the natural world. Through hands-on investigations, students will design and conduct experiments, analyze and evaluate results, and communicate their findings using accepted scientific practices.

This course helps students develop critical-thinking and problem-solving skills while gaining a better understanding of the living world around them.

🎓 **Alternate Diploma:** This course is available **only to students working toward the Alternate Diploma**.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	4 units maximum.
FULL YEAR COURSE	Counts as a science requirement for the Alternate Diploma

CHEMISTRY I • 3064

Chemistry is a laboratory-based course that helps students understand what matter is made of, how it behaves, and how it changes. Students will develop investigative and problem-solving skills while preparing for college-level science courses.

Students will learn how to measure and record scientific data using the metric system, significant figures, and scientific notation. Topics include the classification of matter, atomic theory, ionic and covalent bonding, kinetic theory, chemical reactions, stoichiometry, electron configuration, gas laws, radioactivity, solutions, and acids and bases. Students will also become familiar with the periodic table and learn how to write chemical formulas and understand basic chemical reactions.

🧪 **Laboratory Experiences:** Students will participate in hands-on investigations such as building molecular models, observing chemical reactions, comparing solids, liquids, and gases, conducting flame tests, preparing solutions, and testing acids, bases, and salts. Students will use laboratory investigations to develop models that explain the structure of matter and how substances interact.

Throughout the course, students will also explore the history of chemistry, discover how chemistry is used in different careers, investigate chemistry-related questions and real-world issues, and practice important laboratory safety skills.

OPEN TO:	Grades: 10
PREREQUISITES:	Algebra I
FULL YEAR COURSE	A Core 40, THD, and AHD course.

CHEMISTRY I HONORS • 3064

Chemistry I Honors is a rigorous, college-preparatory science course designed for students who want a deeper and more challenging study of chemistry. The course covers the same core concepts as Chemistry I while placing greater emphasis on **College Board standards**, advanced problem-solving, and preparation for future courses such as **Chemistry II and AP Chemistry**.

Students will explore the structure and behavior of matter, chemical reactions, bonding, energy, and other fundamental chemistry concepts through laboratory investigations, scientific analysis, and problem-solving. Students should be prepared to work at a faster pace and apply mathematical and scientific concepts to more challenging problems.

📚 **Student Expectations:** Students should have strong reading, writing, and math skills and be prepared for a rigorous course that requires consistent effort, critical thinking, and independent learning.

🧪 **Laboratory Experiences:** Students will participate in hands-on laboratory investigations that reinforce chemistry concepts while developing scientific reasoning, problem-solving, and laboratory skills.

OPEN TO:	Grades: 10
PREREQUISITES:	Must have at least a 2.7 cumulative GPA
FULL YEAR COURSE	A Core 40, THD, and AHD course. Weighted

INTEGRATED CHEMISTRY/PHYSICS • 3108

Integrated Chemistry and Physics (ICP) is a hands-on, project- and lab-based science course that explores **how things work and what they are made of**. Students will investigate real-world science concepts through topics such as chemical interactions, electricity and magnetism, matter and energy, waves, forces, and motion.

Learning is active and hands-on, with opportunities to conduct experiments, complete computer activities, create projects, participate in discussions and demonstrations, and present findings. Students will also use videos, lectures, and other activities to build a strong understanding of the concepts they are studying.

OPEN TO:	Grades: 10
PREREQUISITES:	Algebra I
FULL YEAR COURSE	A Core 40, THD, and AHD course.

APPLIED PHYSICAL SCIENCE • 3102A

Applied Physical Science is a hands-on science course designed to help students understand how science connects to everyday life. Students will develop problem-solving skills while exploring basic concepts in **chemistry, physics, Earth science, and space science**.

Through laboratory and field investigations, students will explore science topics that connect to their interests and real-world situations. Activities will give students opportunities to ask questions, investigate problems, collect information, and apply scientific concepts to everyday challenges.

🎓 **Alternate Diploma:** This course is available **only to students working toward the Alternate Diploma**.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	2 units maximum.

FULL YEAR COURSE	Counts as a science requirement for the Alternate Diploma

ADVANCED LIFE SCIENCE, ZOOLOGY • 3092

Zoology is the study of **animal life** and how animals are structured, function, and interact with their environments. Students will explore the anatomy and physiology of both vertebrates and invertebrates while learning about the major groups, or phyla, of the Animal Kingdom.

Students will investigate topics such as animal structure, body systems, genetics, habitats, adaptations, and relationships between animals and their environments. The course also explores the important role animals have played in human life, from food and work to companionship and domestication.

🔬 **Laboratory Experiences:** This course includes hands-on laboratory activities and animal dissections that give students the opportunity to observe and study the animals they are learning about firsthand.

📚 **Course Prerequisites:** Students should be self-disciplined and have successfully completed **Biology I and either Chemistry I or ICP**.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Sophomores must request permission from the instructor.
FULL YEAR COURSE	A Core 40, THD, and AHD course. Weighted

BIOLOGY II • 3026/ L100 ACP

This course is an **Indiana University Advanced College Project (IU ACP) course** that gives students the opportunity to earn **dual credit—high school and college credit**—while studying the science of life.

Students will explore how living things are organized and how they function, starting with **molecules and cells** and moving to **individual organisms, populations, and ecosystems**. Special attention will be given to biological processes that are common to all living things, with a focus on how these processes apply to **human biology**.

Through this course, students will build a deeper understanding of biology while gaining experience with college-level coursework and expectations.

🎓 **Dual Credit:** Students may earn **Indiana University college credit** through the IU Advanced College Project (ACP) program, provided they meet IU ACP eligibility and enrollment requirements.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	2.70 GPA and a B or higher in Biology I and Chemistry I. Sophomores must request permission from the instructor.
FULL YEAR COURSE	Indiana College Core or Core 40, THD, and AHD course. Weighted

NOTES:	This course can be taken for dual credit through Indiana University.

ANATOMY & PHYSIOLOGY • 5276

Anatomy and Physiology is an **advanced science course** that explores the structure and function of the human body. Students will learn how the body is organized, how its major organs and systems work, and how those systems work together to keep us healthy and functioning.

Students will take an in-depth look at major body systems, including their structures, organs, and functions. Learning will include **laboratory activities, technology, and major dissections** that allow students to apply what they learn and better understand the human body.

Because this is an advanced course, students should be prepared to learn and use a large amount of **anatomy and physiology vocabulary**. Strong study skills, attention to detail, and a willingness to participate in laboratory activities will help students succeed.

🔬 **Laboratory Experiences:** Students will participate in laboratory investigations, use technology, and complete major dissections as part of the course.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	C- of higher in both Biology I and Chemistry I
FULL YEAR COURSE	A Core 40, THD, and AHD course. Weighted

ENVIRONMENTAL SCIENCE • 3010

Environmental Science explores how **people, living things, and the environment are connected**. This interdisciplinary course combines concepts from biology, Earth science, chemistry, and other areas of science to help students better understand the world around them.

Students will investigate topics such as **ecosystems, energy and matter, natural disasters, biodiversity, population growth, pollution, natural resources, and environmental policies**. They will also explore how human activities affect environmental systems and how environmental challenges can impact communities locally and around the world.

Learning is hands-on and focused on real-world environmental issues. Students will **design and conduct laboratory and field investigations**, collect and analyze data, and use scientific evidence to explore environmental questions and problems.

🔬 **Laboratory & Field Experiences:** Students will participate in laboratory activities and field investigations that allow them to study environmental systems and apply scientific concepts in real-world settings.

OPEN TO:	Grades: 11- 12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD course.

APPLIED LIFE SCIENCE • 3030A

Applied Life Science is an introductory biology course designed to help students understand the living world around them. Students will develop problem-solving skills while exploring basic concepts in biology through laboratory and field investigations.

Students will learn about cells and how they function, basic genetics, living organisms, and the relationships between organisms and their environment. Activities will connect science concepts to real-world situations and give students opportunities to explore how living things grow, function, and interact with one another.

🎓 **Alternate Diploma: This course is available only to students working toward the Alternate Diploma.**

🔬 **Laboratory & Field Experiences: Students will participate in hands-on laboratory and field investigations to explore biological concepts and apply what they learn.**

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	2 units maximum.
FULL YEAR COURSE	Counts as a science requirement for the Alternate Diploma

CHEMISTRY II • 3066/ C101 &121 ACP

Chemistry II is an **advanced, college-level chemistry course** that builds on the concepts learned in Chemistry I. Students will take a deeper look at how and why chemical reactions occur while developing stronger problem-solving, laboratory, and scientific reasoning skills.

Students will explore topics such as **thermochemistry, reaction spontaneity, precipitation and redox reactions, spectrophotometry, properties of solutions, gas and acid-base equilibrium, electrochemistry, and organic chemistry**. The course emphasizes how chemists use mathematical and physical models to understand matter and its interactions.

🔬 **Laboratory Experiences:** Students will participate in extended laboratory investigations and research activities, including distillation, redox titrations, determining specific heat, testing solutions and equilibrium systems, exploring voltaic cells, and making soap. These experiences allow students to apply chemistry concepts to real-world situations.

This course is a great choice for students interested in **science, health care, engineering, or other science-related careers** and for students who are ready for the challenge of college-level chemistry.

🎓 **IU ACP & Dual Credit:** This course is an **Indiana University Advanced College Project (IU ACP) course** and may be taken for **dual credit—high school and Indiana University college credit—**provided students meet IU ACP eligibility and enrollment requirements.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Chemistry I with a C average or permission of the instructor
FULL YEAR COURSE	Indiana College Core or Core 40, THD, and AHD course. Weighted
NOTES:	This course can be taken for dual credit through Indiana University.

PHYSICS I • 3084

Physics is a **lab-based science course** that explores how matter and energy interact and how the laws of physics explain the world around us. Students will use scientific investigation, mathematical analysis, and problem-solving to understand how and why things move, change, and interact.

Topics include **motion, mechanics, thermodynamics, gravity, work and energy, waves, light, sound, electricity, magnetism, electromagnetism, and atomic and nuclear physics**. Students will use mathematical models and scientific laws to solve problems and explain real-world phenomena.

🔬 **Laboratory Experiences:** Students will conduct hands-on investigations involving motion, heat, mirrors and lenses, electric circuits, and electromagnets. Laboratory activities give students opportunities to collect and analyze data and apply physics concepts to real-world situations.

Students will also explore the **history of physics and its impact on technology**, investigate how physics is used in different careers, and examine physics-related questions connected to everyday life and society.

🎓 **Course Recommendation:** This course is recommended for students interested in **science, engineering, technology, or other science-related careers**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Algebra II with a C average or permission of the instructor
FULL YEAR COURSE	A Core 40, THD, and AHD course. Weighted

MARINE BIOLOGY, ADVANCED SCIENCE • 3092

Marine Biology is a **laboratory-based science course** that explores the amazing diversity of life found in oceans and other marine environments. Students will learn about major groups of marine animals, ocean ecosystems, ecology, and conservation while investigating how marine organisms interact with one another and their environment.

Students will take their learning beyond the classroom through **hands-on laboratory activities, field experiences, and scuba diving opportunities**. The course includes participation in the **Professional Association of Diving Instructors (PADI) certification program**, giving students the opportunity to develop scuba diving skills and earn a PADI certification.

🤿 **Scuba Diving & Certification:** Students will participate in PADI training and activities as part of the course. Additional requirements may apply to complete the certification program.

🌊 **Capstone Experience:** Students will have the opportunity to participate in an **out-of-state capstone dive experience**, tentatively planned for spring break. This experience will allow students to apply what they have learned about marine biodiversity, ecosystems, ecology, and conservation in a real-world setting.

💰 **Course Costs:** Students are responsible for all costs associated with **PADI certification and the capstone experience**, including travel, lodging, meals, equipment, and other related expenses. Costs and fees may vary from year to year.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Biology I
FULL YEAR COURSE	A Core 40, THD, and AHD course.

KINESIOLOGY, ADVANCED SCIENCE • 3092

Kinesiology is an **advanced, college-preparatory biology course** that explores how and why the human body moves. Students will study movement in areas such as **sports, dance, physical recreation, everyday activities, and adapted movement** while building on concepts learned in Anatomy and Physiology and Physics.

Students will analyze how the body moves during **daily activities, work tasks, sports, and injury rehabilitation**. They will also explore movement in other animals and learn how scientists use biomechanics to understand and improve movement.

Students will be introduced to **biomechanical terminology and concepts** that expand their understanding of human movement. Because this is an advanced, college-prep course, students should be prepared for **independent study, critical thinking, and applying concepts to real-world movement situations**.

🔬 **Laboratory Experiences:** Students will participate in laboratory investigations throughout the course. Some labs will involve **physical activity and movement**, so students should be prepared to participate in appropriate activities as part of the learning experience.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Biology/Honors Biology & Anatomy with a C or higher.
FULL YEAR COURSE	A Core 40, THD, and AHD course. Weighted

Social Studies Department

GEOGRAPHY AND HISTORY OF THE WORLD • 1570

World Geography and History takes students on a tour of the world, exploring the people, places, cultures, history, and events that have shaped our world. Students will begin by reviewing important geographic concepts, including the five themes of geography and key vocabulary they will use throughout the course.

Students will explore the world region by region, beginning with the United States and Canada and continuing through Latin America, Europe, Russia, North Africa and the Middle East, Southwest and Central Asia, Africa south of the Sahara, Asia, and finally Australia, Oceania, and Antarctica.

Throughout the course, students will build their map and geographic skills while learning how geography and history influence the way people live and interact. Students will participate in discussions, projects, critical-thinking activities, and meaningful map exercises. Current events will also be incorporated to help students connect what they are learning to the world around them.

🗺️ **Geographic Skills: Students will regularly work with maps and geographic information to better understand the locations, regions, cultures, and events they study.**

📚 **Student Expectations: Students should be prepared to participate in discussions, think critically, read regularly, and write often as they explore why geography and history matter.**

OPEN TO:	Grades: 9 - 10
PREREQUISITES:	None
FULL YEAR COURSE	Core 40, THD, and AHD course.

APPLIED GEOGRAPHY AND HISTORY OF THE WORLD • 1570A

Global Studies helps students understand how people, places, cultures, and events have shaped our world. Students will use geography and history to explore major global themes such as the spread of world religions, exploration and conquest, imperialism, urbanization, innovations, and revolutions.

Students will develop important skills for understanding the world and making sense of information. They will learn how to ask research questions, investigate sources, organize information, identify patterns and trends, and communicate their findings through presentations and writing.

Throughout the course, students will use maps, historical sources, data, and other geographic tools to explore global issues and consider how past events influence the present and future. Students will also practice using evidence to understand, analyze, and evaluate global developments.

🎓 **Alternate Diploma:** This course is available **only to students working toward the Alternate Diploma**.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	4 units maximum
FULL YEAR COURSE	Counts as a social studies requirement or elective for the Alternate Diploma

WORLD HISTORY AND CIVILIZATION • 1548

World History and Civilization explores the **people, events, ideas, and developments that have shaped societies around the world**. Students will study important events that affected large numbers of people and influenced future generations, regions, and cultures.

Students will examine how people and civilizations interacted through **migration, trade, exploration, conflict, cultural exchange, and the sharing of ideas and technology**. They will compare and contrast different civilizations and explore how cultures have changed over time while also identifying similarities that connect people across different regions and time periods.

Throughout the course, students will practice **historical thinking and research skills**. They will analyze evidence, ask questions, make connections, compare perspectives, and use information to develop a deeper understanding of the past and its connection to the present.

🌎 **Global Perspectives:** Students will explore both the **diversity and common experiences of people and cultures** throughout history while considering how the past continues to influence the world today.

🧠 **Historical Thinking:** Students will use research, evidence, and critical-thinking skills to investigate historical questions and develop their own understanding of major events and developments.

OPEN TO:	Grades: 9 - 10
PREREQUISITES:	None
FULL YEAR COURSE	Core 40, THD, and AHD course.

UNITED STATES HISTORY • 1542

U.S. History is a **two-semester course** that explores the people, events, ideas, and movements that shaped the United States from the **late 1800s through the 20th century and into the early 21st century**.

Students will examine major events and people in American history while exploring important themes such as **change, conflict, government, economics, culture, technology, and the experiences of different groups of Americans**. Students will make connections between historical events and the world we live in today.

Throughout the course, students will develop **historical thinking and inquiry skills** by examining evidence, asking questions, analyzing information, and considering different perspectives. Students will also have opportunities to apply these skills through **problem-solving, discussion, and debate**.

🎓 **Graduation Requirement:** U.S. History is a **required course for graduation**.

OPEN TO:	Grades: 11
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD course.

UNITED STATES HISTORY • 1542/ H105 & H106 ACP

This **Indiana University Advanced College Project (IU ACP)** course gives students the opportunity to study U.S. history at a **college level while earning high school credit and potentially Indiana University college credit**.

H105: U.S. History to 1865
H105 explores American history from the **Colonial period through the Civil War**. Students will study the American Revolution, the development of the U.S. government and Constitution, westward expansion, and the growth of American society. Topics also include political, economic, and social change; the experiences of racial and ethnic groups; gender roles; relationships with Native nations and other countries; industrialization; and the development of American ideas and identity.

H106: U.S. History from 1865 to the Present
H106 continues the study of U.S. history from **1865 to the present**. Students will examine Reconstruction, industrialization, urbanization, territorial expansion, wars, social and political change, and the growing role of the United States in world affairs. Students will also explore how economic, political, and social developments have shaped American society and influenced the experiences of different groups.

Throughout both courses, students will examine **primary and secondary sources, historical evidence, and multiple perspectives** to better understand how the United States has changed over time and how historical events continue to influence the nation today.

🎓 **IU ACP & Dual Credit:** This is an **Indiana University Advanced College Project (IU ACP) course** and may be taken for **dual credit—high school and Indiana University college credit—**provided students meet IU ACP eligibility and enrollment requirements.

OPEN TO:	Grades: 11
PREREQUISITES:	World History, 2.70 GPA
FULL YEAR COURSE	Indiana College Core or Core 40, THD, and AHD course. Weighted

APPLIED UNITED STATES HISTORY • 1542A

This course builds on students' understanding of U.S. History while exploring the **people, events, ideas, and movements that shaped the United States from the late 1800s through the 21st century**. Students will review important themes from early American history before focusing on major developments in the nation's more recent history.

Students will examine how **political, economic, social, and cultural changes** influenced life in the United States and Indiana. Topics will include important people and events, major movements, and the ways historical developments have affected communities and everyday life.

Throughout the course, students will develop **historical thinking and research skills** by examining primary and secondary sources, organizing events in chronological order, asking questions, and exploring why the nation has changed over time.

🎓 **Alternate Diploma:** This course is available **only to students working toward the Alternate Diploma**.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	4 units maximum
FULL YEAR COURSE	Counts as a social studies requirement or elective for the Alternate Diploma.

UNITED STATES GOVERNMENT • 1540/ Y103 ACP

American Government introduces students to **how the U.S. government works and how American politics shape our country**. Students will explore the structure and purpose of the American federal government and examine how power and responsibilities are shared between different levels and branches of government.

Students will also learn about the **development of the U.S. political system and the role of political parties**. The course will help students understand how government decisions are made, how citizens participate in the political process, and how the federal system affects everyday life.

🎓 **IU ACP & Dual Credit:** This is an **Indiana University Advanced College Project (IU ACP) course** and may be taken for **dual credit—high school and Indiana University college credit—**provided students meet IU ACP eligibility and enrollment requirements.

OPEN TO:	Grades: 12
PREREQUISITES:	2.70 GPA
ONE SEMESTER COURSE	Indiana College Core or Core 40, THD, and AHD course. Weighted

UNITED STATES GOVERNMENT • 1540

United States Government helps students understand **how our government works, how citizens participate, and how government decisions affect our everyday lives**. Students will explore the principles of constitutional democracy and the rights and responsibilities that come with being a citizen.

Students will study the **U.S. Constitution, branches and levels of government, citizenship, elections, political participation, and the role of individuals and groups in government and civic life**. They will examine how local, state, and national governments are structured and how each level serves its communities.

Students will also explore how the **United States interacts with other countries** and the role the U.S. government plays in world affairs. Using primary and secondary sources, students will research political

and civic issues, evaluate information, consider different perspectives, and support their ideas with evidence.

🏛️ **Civic Engagement:** Students will develop the knowledge and skills needed to participate responsibly and effectively in their communities and in the democratic process.

🎓 **Graduation Requirement:** United States Government is a **required course for graduation**.

OPEN TO:	Grades: 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

APPLIED UNITED STATES GOVERNMENT • 1540A

Applied United States Government helps students understand **how government works, how citizens participate, and how government decisions can affect their everyday lives**. Students will explore the basic principles of constitutional democracy and learn about the rights and responsibilities of citizens.

Students will study the **U.S. Constitution, local, state, and national government, citizenship, elections, and civic participation**. They will learn how different levels of government are organized and how individuals and groups can make a difference in their communities.

Students will also explore how the **United States interacts with other countries** and the role our government plays in world affairs. Through primary and secondary sources, students will learn to examine political and civic issues, consider different perspectives, and use information to explain and support their ideas.

🏛️ **Civic Engagement:** Students will explore how their actions and choices can impact their communities and why informed and responsible civic participation matters.

🎓 **Alternate Diploma:** This course is available **only to students earning the Alternate Diploma**.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	2 units maximum
FULL YEAR COURSE	Counts as a social studies requirement or elective for the Alternate Diploma.

ECONOMICS • 1514

Economics helps students understand **how money, resources, businesses, and government decisions affect everyday life**. Students will learn why people and businesses must make choices when resources are limited and how those choices impact consumers, workers, businesses, and communities.

Students will explore important economic concepts such as **scarcity, supply and demand, prices, profits, market structures, government's role in the economy, financial institutions, economic performance, trade, and**

economic stability. They will learn how economic decisions are made and how these decisions can affect their own lives and the world around them.

The course includes **hands-on projects that connect economics to real life**:

📈 **Stock Market Competition:** During the first nine weeks, students will participate in a stock market competition. They will learn how the stock market works, research investments, make decisions, and track the performance of their investments.

🏠 **Life Project:** During the second nine weeks, students will take part in a real-world budgeting project designed to help them understand the financial responsibilities of adulthood. Students will create and manage a monthly family budget while considering expenses such as **housing, transportation, food, insurance, utilities, and other everyday costs**.

🎓 **Graduation Requirement:** Economics is a **required course for graduation**.

OPEN TO:	Grades: 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

APPLIED ECONOMICS • 1514A

Applied Economics helps students understand how people, businesses, and governments make decisions about **money, resources, jobs, and everyday needs and wants**. Students explore why people must make choices when resources are limited and how those choices affect individuals, businesses, and communities.

Students learn about important economic concepts such as **scarcity, supply and demand, prices, profits, markets, financial institutions, government, trade, and the overall economy**. They will also explore the roles of consumers, workers, producers, savers, investors, voters, and government in our economy.

Through **real-world activities, projects, community-based learning, and practical experiences**, students have opportunities to apply what they learn to situations they may encounter in everyday life.

🎓 **Alternate Diploma:** This course is available **only to students working toward the Alternate Diploma**.

OPEN TO:	Grades: 9 - 12
APPLIED UNITS:	2 units maximum
FULL YEAR COURSE	Counts as a social studies requirement of elective for the Alternate Diploma.

ANTHROPOLOGY • 1502

Anthropology explores how people around the world live, think, communicate, and interact. Students learn how culture influences the way people understand the world and how different cultures develop and change over time.

Students are introduced to the ways **anthropologists study human behavior and culture**, including observing, asking questions, gathering information, and analyzing patterns. Topics include how cultures develop and change, how people and their environments influence one another, and how cultural backgrounds can shape beliefs, behaviors, and everyday experiences.

🌎 **Cultural Connections:** Explore different cultures and perspectives from around the world.

🔎 **Real-World Skills:** Develop observation, critical-thinking, and analysis skills while learning how anthropologists study people and cultures.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

APPLIED CURRENT PROBLEMS, ISSUES, AND EVENTS • 1512A

Applied Current Problems, Issues, and Events helps students explore important issues and events happening in their communities, country, and world. Students learn how to ask questions, gather information, examine different perspectives, and use evidence to better understand real-world problems.

Students develop **critical-thinking and problem-solving skills** by examining cause-and-effect relationships, identifying misleading information and propaganda, organizing information, forming and testing ideas, and drawing conclusions based on evidence. Topics focus on current issues with historical significance and are explored through the lens of the social sciences.

🎓 **Alternate Diploma:** This course is available **only to students earning the Alternate Diploma**.

OPEN TO:	Grades: 9-12
APPLIED UNITS:	2 units maximum
FULL YEAR COURSE	Counts as a social studies requirement of elective for the Alternate Diploma.

ETHNIC STUDIES • 1516

Ethnic Studies explores the diverse cultures, experiences, and contributions of ethnic and cultural groups in the United States. Students learn how different groups have shaped American history and society while developing a deeper understanding of the many perspectives and traditions that make up our country.

Topics may include **cultural development, immigration, assimilation, identity, traditions, and the contributions of specific ethnic and cultural groups**. Depending on the focus of the course, students may study one particular group in depth or compare the experiences of multiple groups.

Students also explore how ethnic and cultural diversity has influenced **communities, society, government, and American life**.

🌎 **Cultural Perspectives:** Learn about different cultures, traditions, and experiences in the United States.

📚 **Historical Connections:** Explore how immigration, cultural change, and the contributions of different groups have shaped American society.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

INDIANA STUDIES • 1518

Indiana Studies explores the history, government, politics, economy, and culture of Indiana while connecting the state's story to important developments across the United States. Students learn how Indiana's past has influenced the policies, laws, and communities we see today.

Students examine the **Indiana and U.S. Constitutions**, how state government works, and how laws and policies are created. They also explore the roles of political leaders and the ways citizens can participate in the democratic process.

The course highlights Indiana's unique culture through **art, literature, historical events, and important people and places**. Students make connections between Indiana's history and the issues affecting our state and communities today.

🏛️ **Government & Civics:** Learn how Indiana government works and how citizens can participate.

📚 **Indiana History:** Explore important people, events, ideas, and developments that shaped our state.

🎨 **Indiana Culture:** Discover how art, literature, and other forms of cultural expression reflect Indiana's history and identity.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

APPLIED INDIANA STUDIES • 1518A

Indiana Studies explores the history, government, politics, economy, and culture of Indiana while making connections to what is happening across the United States. Students learn how Indiana's history has shaped the policies, laws, communities, and traditions we see today.

Students examine the roles of **state and local leaders**, how government works, and how citizens can participate in the political process. They also explore important events, ideas, and developments that have shaped Indiana and compare them with national events and changes.

The course may also include **Indiana art and literature** to help students understand the state's history, culture, and unique identity.

🎓 **Alternate Diploma:** This course is available **only to students working toward the Alternate Diploma**.

OPEN TO:	Grades: 10 - 12
APPLIED UNITS:	2 units maximum
FULL YEAR COURSE	Counts as a social studies requirement or elective for the Alternate Diploma.

LAW EDUCATION • 1526

Law Education introduces students to the American legal system and how it is connected to the **U.S. Constitution**. Students learn how laws are created and applied and how the legal system affects their everyday lives.

Students explore their **rights and responsibilities as citizens** and learn practical ways to understand and navigate legal situations. The course also focuses on **communication, conflict resolution, critical thinking, and problem-solving skills** that can help students handle disagreements and work toward positive solutions.

Learning is designed to be hands-on and engaging through **case studies, simulations, field trips, mock trials, and other real-world activities** whenever possible.

⚖️ **Real-World Connections:** Learn how the law affects everyday decisions, rights, and responsibilities.

🧑‍⚖️ **Hands-On Learning:** Experience the legal process through case studies, simulations, and mock trials.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

PSYCHOLOGY • 1532

Psychology explores how people **think, learn, feel, behave, and interact with others**. This introductory course provides a foundation for students interested in psychology, education, health care, business, or other careers that involve working with people.

Students explore topics such as **learning, motivation, decision-making, personality, relationships, mental and physical well-being, and human development**. They will examine how people change throughout life and how the mind and body work together to influence behavior.

The course connects psychology to **real-life situations**, helping students better understand themselves and others. Students develop practical skills in communication, conflict resolution, compromise, problem-solving, and decision-making that can be useful in school, work, relationships, and everyday life.

Learning activities may include discussions, projects, case studies, and other opportunities to apply psychological concepts to meaningful, real-world situations.

🧠 **Understanding People:** Explore why people think, feel, learn, and behave in different ways.

🌱 **Lifelong Skills:** Build skills in communication, decision-making, conflict resolution, and understanding yourself and others.

🎓 **College & Career Connection:** Develop a foundation for future study in psychology and related fields.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD, and AHD course.

TOPICS IN HISTORY (The Cold War Era Into the 21st Century) • 1538

Topics in History gives students the opportunity to take a closer look at a specific period, event, or theme in U.S. or world history. Students build historical research skills by working with **primary and secondary sources** and learning how historians use evidence to understand the past.

In this course, students will explore the **cultural, political, and social changes that shaped the United States after World War II and into the 21st century**. Topics include postwar politics, the growing influence of government and politics on everyday life, the rise of technology, and the invention and impact of **television**.

Students will also examine the **era of protests and social change**, exploring how people challenged existing ideas and pushed for changes in American society. Through historical sources, discussions, research, and projects, students will connect these events to the world they live in today.

By the end of the course, students will have a better understanding of how the **modern United States took shape** and how events and ideas from the postwar era continue to influence American culture, society, and politics today.

📚 **Historical Research:** Learn how to use primary and secondary sources to investigate the past.

📺 **Technology & Society:** Explore how television and other new technologies changed American life.

✊ **Social Change:** Examine protests, movements, and major changes in American society.

🌎 **Past Meets Present:** Connect historical events and ideas to the world students experience today.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD and AHD course.

TOPICS IN HISTORY (American West) • 1538

The American West explores about a century of American history, focusing on how the West changed during the **19th and early 20th centuries**. Students will discover how westward expansion helped shape the nation's identity, economy, communities, and conflicts.

Students will explore the people, cultures, and events that shaped the American West—from **early exploration and westward expansion to the closing of the frontier**. Topics include **Manifest Destiny, the Oregon Trail, the Gold Rush, the Civil War, Native American nations, settlers, explorers, miners, ranchers, cowboys, and the Wild West**.

Through **primary sources, maps, photographs, historical documents, and stories from the past**, students will investigate why Americans moved west and the opportunities and challenges they encountered. Students will also examine the complex relationships and conflicts among **Native American nations, settlers, businesses, and the U.S. government**.

🗺️ **Explore the West:** Follow the journeys of explorers, settlers, miners, ranchers, and others who helped shape the region.

📜 **History Through Evidence:** Analyze maps, photographs, documents, and other primary sources to better understand the past.

🤠 **Major Topics:** Explore westward expansion, Manifest Destiny, the Gold Rush, the Civil War, Native American history, and the Wild West.

🌎 **Past Meets Present:** Discover how the history of the American West continues to influence American culture and identity today.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD and AHD course.

TOPICS IN HISTORY (WWI and WWII) • 1538

World War I & World War II explores the two major conflicts that dramatically changed the modern world. The course begins with the events and tensions that led to the assassination of Archduke Franz Ferdinand in 1914 and follows the world through two world wars and into the beginning of the Atomic Age in 1945.

Students will investigate the causes and effects of both wars and examine what life was like for soldiers and civilians. Topics include major battles and turning points, the Holocaust, the use of new military technologies, life on the home front, and the events that led to the early Cold War.

Through primary sources, photographs, historical documents, discussions, and historical analysis, students will explore the experiences and perspectives of people who lived through these events. Students will develop the skills to think like historians while considering how these conflicts changed governments, societies, technology, and everyday life.

🌎 Global Connections: Explore how events in different countries came together to create worldwide conflicts.

📜 **History Through Evidence: Analyze primary sources, photographs, documents, and personal accounts to understand the past.**

🪖 **Life During Wartime: Examine the experiences of soldiers, civilians, families, and communities during both world wars.**

💡 **Past Meets Present: Discover how World War I and World War II continue to influence the world we live in today.**

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	None
ONE SEMESTER COURSE	A Core 40, THD and AHD course.

Theater Arts

THEATER ARTS • 4242

Theater Arts gives students the opportunity to explore theater from both the **creative and performance sides**. Students will learn how stories are brought to life through acting, writing, design, and collaboration.

Students will **read and analyze plays, develop acting skills, write scripts and original theater pieces, and create scenic designs**. Through these activities, students will explore theater history and culture while learning how to analyze performances, respond to theatrical works, and develop their own creative ideas.

Students will also have opportunities to **attend and critique theatrical productions** and explore careers in acting, directing, writing, design, production, and other areas of the theater industry. The course helps students understand how theater connects to audiences and communities and why supporting the arts is important.

🎭 **Acting & Performance:** Build acting skills and learn how to communicate characters, emotions, and ideas on stage.

✍️ **Create & Write:** Develop scripts, original scenes, and other creative theater pieces.

🎨 **Theater Design:** Explore scenic design and the visual elements that help tell a story.

🎬 **See & Analyze:** Attend theatrical productions and learn how to evaluate performances and production choices.

🌟 **Explore Theater Careers:** Discover career opportunities in performance, directing, writing, design, and theater production.

OPEN TO:	Grades: 9-12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD course.

TECHNICAL THEATER • 4244

Technical Theater gives students the opportunity to explore the creative and technical work that happens **behind the scenes of a theater production**. Students will learn how productions are designed, built, organized, and managed while gaining hands-on experience with the many elements that help bring a show to life.

Students may work with **set design and construction, props, costumes, lighting, sound, stage management, and other technical elements**. They will learn how these pieces work together to support the actors, story, and overall vision of a production.

The course also explores **theater history, culture, design, and creative processes**. Students will attend and critique theatrical productions, analyze how technical choices affect a performance, and explore **careers and opportunities in the theater industry**.

Students will also discover how audiences and community members contribute to the success of theater and why supporting the arts is an important part of a community.

🎭 **Behind the Scenes:** Discover the creative and technical work that makes a theater production possible.

🛠️ **Hands-On Experience:** Design, build, organize, and manage elements of theatrical productions.

💡 **Explore Theater Careers:** Learn about careers in technical theater, production, design, and the performing arts.

🎬 **See & Analyze:** Attend and critique theatrical productions while learning how production choices influence the audience's experience.

🤝 **Community Connection:** Explore the role of theater and the arts in building and strengthening communities.

OPEN TO:	Grades: 9-12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD course.

THEATER PRODUCTION • 4248

Theater Production gives students the opportunity to experience what it takes to bring a show to life—from the first idea to the final performance. Students will explore the many parts of theater production, including **acting, directing, blocking, stage management, props, costumes, marketing, and rehearsal**.

Students will learn how to **read, analyze, and interpret plays** and discover how actors and production teams bring a story and its characters to life. The course follows the different stages of producing a show, including **auditions, read-throughs, blocking, rehearsals, marketing, and performances**.

Students will also work together to create **original scenes, stories, and short plays** and have opportunities to perform their work on stage. During class, students may assist with current theater productions, gaining valuable experience as part of a production team.

As a culminating project, students will take on leadership roles such as **director, actor, or stage manager** and work together to produce a short play for other classes and community members. This student-led performance gives students the opportunity to build **creativity, confidence, teamwork, communication, and leadership skills** while helping strengthen connections between the school and community.

🎭 **Behind the Scenes:** Discover everything that goes into creating a successful theater production.

🎬 **Create & Perform:** Develop original scenes and short plays and bring them to life on stage.

⭐ **Student Leadership:** Take on important production roles and help lead a performance from start to finish.

🤝 **Community Connection:** Share student-led performances with classmates and community members.

OPEN TO:	Grades: 9-12
PREREQUISITES:	None
FULL YEAR COURSE	A Core 40, THD, and AHD course.

World Languages Department

SPANISH I • 2120

Spanish i helps students build practical Spanish communication skills they can use in the classroom and in everyday situations. Students will learn how to **greet others, ask and answer basic questions, make requests, and participate in short conversations** about familiar topics.

Students will develop their **speaking, listening, reading, and writing skills** through guided activities and real-world situations. They will practice understanding common words, phrases, directions, and short conversations while building confidence communicating in Spanish.

The course also introduces students to the **cultures of Spanish-speaking countries and communities**. Students will explore cultural traditions, everyday practices, perspectives, and products while learning how communication can change depending on the situation. Students will also practice using appropriate **non-verbal communication**, such as gestures and body language.

Throughout the course, students will make connections between Spanish and other subjects and discover ways to use their language and cultural knowledge **outside the classroom and in the real world**.

🗣️ **Communicate in Spanish:** Practice greetings, questions, requests, and everyday conversations.

📖 **Build Language Skills:** Develop reading, writing, listening, and speaking skills through guided activities.

🌎 **Explore Spanish-Speaking Cultures:** Learn about traditions, everyday life, perspectives, and cultural practices.

🤝 **Real-World Communication:** Understand how language, gestures, and communication styles can change depending on the situation.

🌟 **Make Connections:** Discover how Spanish language and culture can be useful in school, careers, travel, and everyday life.

OPEN TO:	Grades: 9 - 12
PREREQUISITES:	C or higher in English/Language arts
FULL YEAR COURSE	A Core 40, THD, and AHD course.

SPANISH II • 2122

Spanish II helps students build confidence using Spanish in more independent and meaningful ways. Students will practice **speaking, listening, reading, and writing** while communicating about familiar topics and situations.

Students will learn to **ask and answer questions, make requests, participate in conversations, and write organized passages** with greater independence. They will also develop strategies for understanding unfamiliar words and phrases by using **context clues** and will practice following longer spoken and written directions.

Students will have opportunities to **present information in Spanish** on a variety of topics and practice reading aloud with appropriate pronunciation, expression, and intonation. The course also explores the **cultures of Spanish-speaking countries and communities**, including family life, social traditions, cultural practices, and important contributions from Spanish-speaking cultures.

Throughout the course, students will make connections between Spanish and other subjects while discovering how their language skills can be used **outside the classroom, in future careers, while traveling, and in everyday life**.

🗣️ **Communicate with Confidence:** Participate in conversations, ask and answer questions, and express ideas in Spanish.

📖 **Strengthen Language Skills:** Improve reading, writing, listening, and speaking skills through real-world activities.

🎤 **Present in Spanish:** Prepare and present information while developing pronunciation, expression, and communication skills.

🌎 **Explore Spanish-Speaking Cultures:** Learn about family life, traditions, perspectives, and contributions from Spanish-speaking communities.

🌟 **Real-World Connections:** Apply Spanish language and cultural knowledge to other subjects, future careers, travel, and everyday situations.

OPEN TO:	Grades: 10 - 12
PREREQUISITES:	Spanish I with a C or higher
FULL YEAR COURSE	A Core 40, THD, and AHD course.

SPANISH III • 2124

Spanish III helps students take their Spanish skills to the next level by using the language more independently and confidently. Students will build on skills from previous Spanish courses while developing the ability to communicate in **more detailed and meaningful conversations**.

Students will practice **starting, maintaining, and ending conversations**, exchanging detailed information, and expressing ideas through speaking and writing. They will strengthen their reading and listening skills by using strategies such as **cognates, synonyms, antonyms, and context clues** to understand unfamiliar words and more complex information.

Students will also create and present their own work in Spanish on a variety of topics. Through presentations, conversations, and reading aloud, students will continue developing **pronunciation, fluency, expression, and communication skills**.

Culture becomes an even bigger part of the course as students explore the connections among the **traditions, products, perspectives, and values** of Spanish-speaking cultures. Students will discuss important cultural events and investigate the factors that help shape cultural identity in different Spanish-speaking communities.

Throughout the course, students will connect Spanish to other subjects and discover ways to use their language skills **outside the classroom, in college, careers, travel, and everyday life**.

🗣️ **Communicate Independently:** Start and maintain conversations while exchanging detailed information and ideas in Spanish.

📚 **Build Fluency:** Strengthen speaking, listening, reading, and writing skills through increasingly complex activities.

🎤 **Create & Present:** Develop and present original work in Spanish while improving pronunciation, fluency, and expression.

🌎 **Explore Culture:** Investigate traditions, perspectives, significant events, and cultural identity in Spanish-speaking communities.

🌟 **Real-World Connections:** Apply Spanish language and cultural knowledge to other subjects, college, careers, travel, and everyday situations.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Spanish I & Spanish II with a C or higher
FULL YEAR COURSE	A Core 40, THD, and AHD course.

SPANISH IV • 2126

Spanish IV gives students the opportunity to take their Spanish skills to a more advanced level while using the language in meaningful, real-world situations. Students will build on their previous Spanish coursework and become more confident communicating through **speaking, listening, reading, and writing**.

Students will practice strategies that help them communicate even when they do not know every word, such as **describing an idea in a different way, using context clues, recognizing word patterns, and using familiar words to understand new vocabulary**. These strategies help students communicate more naturally and expand their Spanish vocabulary.

Culture is an important part of the course. Students will explore the **traditions, products, perspectives, and values** of Spanish-speaking communities and examine the factors that influence cultural practices. They will compare Spanish-speaking cultures with their own experiences and reflect on how culture shapes the way people communicate and understand the world.

Students will also make connections between Spanish and other subjects through projects and activities that combine **language, culture, and real-world topics**. They will explore how Spanish is used in their own communities and learn to identify and evaluate resources created for Spanish-speaking audiences.

🗣️ **Communicate with Confidence:** Use Spanish more independently in conversations and written communication.

📚 **Expand Your Vocabulary:** Learn strategies for understanding unfamiliar words and expressing ideas when you don't know the exact word you need.

🌎 **Explore Culture:** Investigate the traditions, perspectives, values, and practices of Spanish-speaking communities.

🔄 **Compare Cultures:** Explore similarities and differences between Spanish-speaking cultures and your own experiences.

🌟 **Real-World Connections:** Discover how Spanish is used in local communities, careers, media, and everyday life.

🎓 **College & Career Preparation:** Develop advanced communication and cultural skills that can be useful in college, careers, travel, and future opportunities.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Spanish I, Spanish II, and Spanish III with a C or higher
FULL YEAR COURSE	A Core 40, THD, and AHD course.

SPANISH V • 2128

Spanish V gives students the opportunity to use Spanish at an advanced level while exploring the language and cultures of Spanish-speaking communities. Students will communicate in **real-world and culturally authentic situations**, using Spanish to share ideas, exchange information, and connect with others.

Students will strengthen their ability to communicate through **speaking, listening, reading, and writing** while using a wider range of vocabulary, more complex language structures, and appropriate communication styles. Students will also have opportunities to **create and present original projects and creative work in Spanish**.

Culture is an important part of the course. Students will investigate **important historical and cultural events, traditions, and contributions** from Spanish-speaking communities. They will compare cultural identities, examine how cultures influence one another, and explore how the Spanish language and Spanish-speaking cultures have influenced communities around the world.

Students will also connect Spanish to other subjects through **interdisciplinary projects and activities** and explore resources available to Spanish-speaking communities in the local area and beyond.

🗣️ **Advanced Communication:** Use Spanish confidently to communicate ideas, exchange information, and participate in real-world conversations.

✍️ **Create & Present:** Develop original projects, presentations, and creative work using advanced Spanish skills.

🌎 **Explore Spanish-Speaking Cultures:** Investigate significant events, traditions, contributions, and cultural identities from Spanish-speaking communities.

🔄 **Compare Cultures:** Examine similarities and differences between Spanish-speaking cultures and your own culture and experiences.

🌐 **Language in the World:** Explore how Spanish language and culture have influenced communities locally and around the world.

🌟 **Real-World Connections:** Use Spanish with resources, media, community experiences, and topics that extend beyond the classroom.

OPEN TO:	Grades: 12
PREREQUISITES:	Spanish I, Spanish II, Spanish III, Spanish IV with a C or higher
FULL YEAR COURSE	A Core 40, THD, and AHD course.

Central Nine Career Center

Central Nine Career Center (C9) gives students the opportunity to gain hands-on career skills and real-world experience while still completing their high school diploma. C9 programs can help prepare students for employment, college or technical training, or both.

🤷 *Who Can Attend?*

Central Nine programs are available to juniors and seniors. Students are selected based on factors such as interest in the program, skills and aptitude, attendance, and previous academic performance.

🛠️ *What Can I Earn?*

Students can earn up to 4 high school credits per semester by successfully completing their C9 program requirements.

🚌 *What Does My Schedule Look Like?*

Students spend approximately half of the school day at Central Nine learning in their career program. The rest of the school day is spent at Indian Creek High School, where students complete graduation requirements and can participate in extracurricular activities.

💰 *Are There Additional Costs?*

Central Nine charges an annual program fee that helps cover items such as equipment, tools, materials, and books. Program fees and specific costs vary by program.

📞 Questions? Contact Central Nine Career Center at 317-888-4401 for information about programs, fees, and enrollment.

📚 Important: Program offerings, requirements, fees, and other details may change. Students should refer to the most current Central Nine Course Catalog for the latest information.

CONSTRUCTION & LANDSCAPING

CONSTRUCTION TRADES:

Construction Trades is a hands-on program for students interested in learning how buildings and homes are designed, built, and finished. Students learn through a combination of **classroom instruction, laboratory activities, and real construction projects**.

Students develop practical skills in areas such as **carpentry, framing, installation, construction techniques, and job-site safety**. One of the highlights of the program is the opportunity to put these skills into practice by **helping construct a house**.

Students also gain valuable **work-ready skills** and opportunities to connect with local construction professionals and community partners. The program helps students prepare for careers in construction and related trades while building skills that can also be useful for future college or technical training.

Students will also have the opportunity to earn **OSHA certification**, helping them become better prepared for the expectations of a professional construction job site.

🏗️ Year 1

- **Principles of Construction Trades — 7130**
- **Construction Trades: General Carpentry — 7123**
- **Construction Trades: Technical Skills Development — 7156**

🔨 Year 2

- **Construction Trades: Framing and Finishing — 7122**
- **Construction Trades Capstone — 7242**

🛠️ **Hands-On Learning:** Learn construction skills by working on real projects.

🏠 **Build a House:** Put your skills to work as part of a team constructing a home.

👷 **Career Ready:** Develop practical skills and workplace experience for careers in construction and the skilled trades.

🤝 **Connect with Industry:** Work with local construction professionals and community partners.

🦺 **OSHA Certification:** Gain important workplace safety training and the opportunity to earn OSHA certification.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40 course
NOTES:	2 year pathway

HVAC:

HVAC is a hands-on program for students interested in learning how heating, ventilation, air conditioning, and refrigeration systems work. Students learn through a combination of **classroom instruction, laboratory activities, and practical experiences**.

Students explore the **science and math behind HVAC systems** while developing skills in installation, operation, troubleshooting, maintenance, and repair. They'll learn how heating and cooling systems help keep homes, businesses, and other buildings comfortable and safe.

The program also helps students develop **work-ready skills** and prepare for careers in the HVAC and skilled trades industries. Students have the opportunity to earn an **EPA certification**, an important credential for working with certain refrigerants.

🔧 Year 1

- **Principles of HVAC — 7131**
- **HVAC Fundamentals — 7125**
- **HVAC Service — 7126**

🛠️ Year 2

- **HVAC Service — 7126**
- **HVAC Capstone — 7244**

🌡️ **Hands-On Learning:** Learn how heating, cooling, ventilation, and refrigeration systems work through classroom and laboratory experiences.

🔧 **Career Skills:** Develop practical skills in installation, maintenance, troubleshooting, and repair.

📐 **Science & Math:** Apply scientific and mathematical concepts to real-world HVAC systems.

🏆 **Industry Certification:** Have the opportunity to earn an **EPA certification** to help prepare for a career in the HVAC industry.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

LANDSCAPE MANAGEMENT:

Landscape and Horticulture is a hands-on program for students who enjoy working outdoors, creating beautiful spaces, and learning how plants and growing systems work. Students gain practical experience by completing **landscape projects for homes and businesses** while also helping maintain the Central Nine campus.

Students explore a variety of horticulture and landscaping skills, including **irrigation, equipment maintenance, hydroponics, aquaponics, greenhouse management, landscape design, and turf care**. One of the unique features of the program is the opportunity to learn about aquaponics by **raising tilapia and participating in crawfish farming**.

Students also have opportunities to participate in **FFA activities and chapter leadership**, helping them develop teamwork, communication, leadership, and career skills while connecting with others who share an interest in agriculture and horticulture.

🌱 Year 1

- **Principles of Agriculture — 7117**
- **Horticultural Science NLPS — 5132**
- **Landscaping Technical Skills Development — 7156**

🌳 Year 2

- **Landscape and Turf Management — 7115**
- **Landscape Management Capstone — 7234**

🌿 **Hands-On Experience:** Complete real landscaping projects for homes, businesses, and the Central Nine campus.

💧 **Explore Growing Systems:** Learn about **irrigation, hydroponics, aquaponics, and greenhouse management**.

🐟 **Unique Experiences:** Raise **tilapia and crawfish** while learning how aquaponic systems work.

🛠️ **Career Skills:** Develop skills in landscaping, turf management, equipment maintenance, and horticulture.

⭐ **FFA Leadership:** Participate in **FFA activities, competitions, and leadership opportunities** while building teamwork and communication skills.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	2 year pathway

HEALTH SCIENCE

PRINCIPLES OF BIOMEDICAL SCIENCES:

Biomedical Sciences is an exciting, hands-on program for students interested in **health care, medicine, science, and the human body**. Students learn through engaging **activities, projects, and real-world problems** while exploring a variety of biomedical careers.

From the very beginning, students are immersed in a **crime scene investigation** and use science to solve problems and uncover clues. Throughout the program, students explore topics such as **forensic science, human body systems, medical interventions, disease, and patient care**.

Students gain hands-on experience with activities such as **autopsies, drug analysis, EKGs, Clay Manikins®, prosthetic design, and other medical investigations and simulations**. These experiences allow students to apply what they learn while developing skills in critical thinking, problem-solving, teamwork, and scientific investigation.

The program is a great opportunity for students who are considering careers in **medicine, nursing, health care, biotechnology, forensic science, or other STEM-related fields**.

🧬 Year 1

- **Principles of Biomedical Sciences — 5218**
- **Human Body Systems — 5216**
- **Anatomy & Physiology NLPS — 5276**

🩺 Year 2

- **Medical Interventions — 5217**
- **Biomedical Innovations — 5219**
- **Technical Skills Development: Biomedical — 7156**

🔬 **Hands-On Science:** Learn biomedical concepts through activities, projects, investigations, and real-world problems.

🧑‍⚕️ **Explore Health Careers:** Discover career opportunities in medicine, nursing, health care, biotechnology, forensic science, and STEM.

🫀 **Medical Experiences:** Explore **EKGs, autopsies, drug analysis, prosthetic design, Clay Manikins®, and other medical simulations**.

🕵️ **Start with a Mystery:** Use forensic science and biomedical knowledge to investigate a crime scene and solve problems.

💡 **Innovation & Problem-Solving:** Design solutions to real-world medical challenges while developing teamwork, communication, and critical-thinking skills.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Biology I with a C or higher, Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	2 year pathway

DENTAL CAREERS:

Dental Careers is a hands-on program for students interested in exploring careers in **dentistry and oral health**. Students learn about the dental field from the perspectives of a **dentist, dental hygienist, dental assistant, and dental laboratory technician**.

Students gain experience in a clinical and laboratory setting while learning about **oral anatomy, dental instruments and equipment, infection control, sterilization, and workplace safety**. Through hands-on activities, students develop practical skills and learn what it takes to work in a professional dental environment.

The program also gives students the opportunity to earn **industry-recognized certifications and licenses** that can help prepare them for employment or further education in the dental field.

🦷 Year 1

- **Principles of Dental Careers — 7315**
- **Dental Careers Fundamentals — 7316**
- **Advanced Dental Careers — 7317**

🏥 Year 2

- **Dental Careers Capstone — 7318**

🦷 **Explore Dental Careers:** Learn about careers as a **dentist, dental hygienist, dental assistant, and dental laboratory technician**.

🔬 **Hands-On Experience:** Practice identifying dental instruments and equipment while learning about oral anatomy, sterilization, and clinical procedures.

🏆 **Career Certifications:** Students work toward opportunities to earn a **National Entry Level Dental Assistant Certification, Radiography License, and Dental X-Ray License**.

❤️ **Additional Certifications:** Students may also earn **CPR, AED/First Aid, Bloodborne Pathogens, and HIPAA training certifications**.

🎓 **College & Career Ready:** Build practical skills and credentials that can help prepare you for **employment, college, or additional training in dental and health care careers**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

EXERCISE SCIENCE:

Exercise Science is a **one-year pathway** for students interested in **sports medicine, physical therapy, athletic training, exercise science, and health care**. Students learn how health care professionals evaluate, treat, prevent, and rehabilitate injuries while helping people improve their movement, health, and performance.

Students explore the roles and responsibilities of professionals working in sports medicine while learning about **injury evaluation, treatment techniques, injury prevention, rehabilitation, exercise, and human movement**. Students also have the opportunity to put their skills into practice through **professional field experiences at approved clinical sites**.

This pathway is a great opportunity for students who are interested in careers such as **physical therapy, athletic training, sports medicine, exercise science, or other health care fields**.

🏃 One-Year Pathway

Students complete the following courses during the **one-year program**:

- **Principles of Exercise Science — 7320**
- **Kinesiology — 7321**
- **Human Performance — 7322**
- **Physical Therapy Capstone — 7323**

🏥 **Real-World Experience:** Apply what you learn through professional field experiences at qualified clinical sites.

🩹 **Sports Medicine Skills:** Learn about **injury evaluation, treatment, prevention, rehabilitation, and human movement**.

💪 **Hands-On Learning:** Practice skills and explore how exercise and movement can improve health, performance, and recovery.

🎓 **Explore Health Careers:** Discover career opportunities in **physical therapy, athletic training, sports medicine, exercise science, and related health care fields**.

📋 **Application Required:** Students must complete an **application process and interview** to participate in the program.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

MEDICAL ASSISTING:

Medical Assistant (CCMA) is a **one-year pathway** for students interested in exploring careers in **health care and medical assisting**. Students learn about the human body and how it functions while developing practical skills used in medical offices, clinics, and other health care settings.

Students get hands-on experience with skills they may use as a medical assistant, including **taking vital signs, performing ECGs, completing urinalysis, preparing syringes, practicing venipuncture, calculating medication dosages, and learning about prescription writing**. Students also explore how medical assistants respond to common patient needs and triage situations in a professional health care setting.

The program helps students build **career-ready skills, confidence, and professional knowledge** while preparing for additional education or employment in health care.

🩺 One-Year Pathway

Students complete the following courses during the **one-year program**:

- **Principles of Healthcare — 7168**
- **Medical Terminology — 5274**
- **Certified Clinical Medical Assistant (CCMA) — 7164**

🩹 **Hands-On Medical Skills:** Practice taking **blood pressure, pulse, respiration, and temperature**, along with ECGs, urinalysis, venipuncture, and other clinical skills.

🧬 **Explore the Human Body:** Learn about the body's systems and how they work together.

💊 **Real-World Health Care:** Explore patient care, triage situations, dosage calculations, and other responsibilities of a medical assistant.

🏆 **Industry Certifications:** Students may have opportunities to earn **CPR, HIPAA, FEMA, NHA CCMA, and Bloodborne Pathogens certifications**.

🎓 **College & Career Ready:** Build practical skills and industry credentials that can help prepare you for employment or further education in health care.

OPEN TO:	Grades: 11 - 12

PREREQUISITES:	Strong in math, English, and science, application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

PRE-NURSING:

Pre-Nursing) is a **one-year pathway** for students interested in starting a career in **nursing, health care, and patient care**. Becoming a CNA is a great first step for students who want to explore the health care field and begin building skills for a future nursing career.

Students learn through a combination of **classroom instruction, laboratory practice, and supervised clinical experiences**. They develop hands-on skills while caring for residents and learn what it is like to work as part of a professional health care team. Clinical experiences at long-term care facilities give students the opportunity to gain **real-world experience caring for patients and residents**.

The program provides the classroom knowledge and hands-on skills students need to prepare for the **Indiana State Nurse Aide Certification exam**. After completing the required coursework and taking the state exam, students participate in weekly experiences connected to **work-based learning and internships** during the second semester.

The capstone portion of the pathway helps students build additional career skills, including **medical law and ethics, electronic health records, professionalism, and other topics important to health care careers**.

🩺 One-Year Pathway

Students complete the following courses during the **one-year program**:

- **Principles of Healthcare — 7168**
- **Medical Terminology — 5274**
- **Healthcare Specialist: CNA — 7166**
- **Healthcare Specialist Capstone — 7255**

🏥 **Real-World Experience:** Participate in supervised clinical experiences at long-term care facilities and gain first-hand experience caring for patients and residents.

👐 **Hands-On Skills:** Practice important patient-care skills through laboratory activities and clinical experiences.

📚 **CNA Certification Preparation:** Build the knowledge and skills needed to prepare for the **Indiana State Nurse Aide Certification exam**.

💼 **Work-Based Learning:** Participate in weekly work-based learning or internship experiences during the second semester.

⚖️ **Healthcare Professionalism:** Explore **medical law and ethics, electronic health records, communication, and other important workplace skills**.

❤️ **Make a Difference:** Experience the rewards of helping others while exploring careers in **nursing, health care, and patient care**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application and interview with instructor
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

VETERINARY SCIENCE:

Veterinary Science is a **one-year pathway** for students interested in **animals, veterinary medicine, animal health, and science**. This advanced, lab-intensive program gives students the opportunity to explore what it is like to work in a veterinary setting while developing practical skills used in the animal health field.

Students learn through **hands-on experiences with animals** and explore topics such as **animal care, medical terminology, clinical procedures, nutrition, anatomy, and veterinary science**. Students have opportunities to practice skills similar to those used by veterinary professionals while building confidence, teamwork, communication, and problem-solving skills.

This pathway is a great choice for students considering careers as **veterinary assistants, veterinary technicians, veterinarians, animal care professionals, or other careers involving animal health and science**.

🐾 One-Year Pathway

Students complete the following courses during the **one-year program**:

- **Principles of Veterinary Science — 7280**
- **Veterinary Science — 7281**
- **Advanced Life Science: Animals — 5070**

🐶 **Hands-On Animal Care:** Work directly with animals while learning about their health, care, behavior, and needs.

🩺 **Veterinary Skills:** Practice **clinical skills, medical terminology, animal nutrition, and other techniques used in veterinary settings**.

🔬 **Lab-Intensive Science:** Apply biology and science concepts to real-world animal health situations.

🎓 **Career Exploration:** Explore careers in **veterinary medicine, animal health, animal care, and related fields**.

📌 **Important:** Students interested in becoming **Certified Veterinary Assistants** can continue into a second-year option that includes a **year-long internship** and additional capstone coursework.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

HUMAN SERVICES

COSMETOLOGY :

Cosmetology is a **two-year pathway** for students interested in careers in **cosmetology, hair styling, barbering, and the beauty industry**. The program is designed for students in their **junior and senior years** and is offered in partnership with **Paul Mitchell The School**.

Students attend classes on the **Paul Mitchell The School campus**, giving them the opportunity to learn in a professional cosmetology environment. Through classroom instruction and hands-on practice, students develop practical skills used in the beauty industry, including **shampooing, roller control, quick styling, hair coloring, and other cosmetology techniques**.

Throughout the two-year program, students build their technical skills, professionalism, communication, and confidence while preparing for a career in the beauty industry. Students will also have the opportunity to work toward earning their **Indiana state cosmetology license**.

💇 Two-Year Pathway

Year 1

- **Principles of Barbering and Cosmetology — 7330**
- **Barbering and Cosmetology Fundamentals — 7331**
- **Advanced Cosmetology — 7332**

Year 2

- **Barbering and Cosmetology Capstone — 7334**

✂️ **Hands-On Training:** Practice real cosmetology skills such as **shampooing, roller control, quick styling, hair coloring, and more**.

🏫 **Professional Environment:** Learn on the **Paul Mitchell The School campus** and experience a professional cosmetology training setting.

💇 **Career Exploration:** Explore careers in **cosmetology, barbering, hair styling, salons, and the beauty industry**.

🏆 **State License Opportunity:** Complete the required training and work toward earning your **Indiana state cosmetology license**.

🎓 **Two-Year Commitment:** This pathway is designed to be completed during your **junior and senior years**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application

FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	This course meets at Paul Mitchell. 2 year pathway

CULINARY ARTS AND HOSPITALITY :

Culinary Arts and Hospitality is a **one- to two-year pathway** for students interested in **food, cooking, baking, restaurants, hospitality, and customer service**. Students gain real-world experience by helping operate **To The Nines**, Central Nine's campus restaurant, and the **Central Kitchen**.

Students learn how the food and hospitality industry works while developing skills used in professional kitchens and restaurants. Through hands-on experiences, students explore **food safety and sanitation, kitchen organization, food identification, nutrition, baking, cooking, customer service, and restaurant operations**.

Students also have opportunities to **cross-train in a variety of front-of-the-house and back-of-the-house positions**. This allows them to experience different jobs and responsibilities while building teamwork, communication, time management, and workplace skills.

🍳 Year 1

- **Principles of Culinary and Hospitality — 7173**
- **Nutrition — 7171**
- **Culinary Arts — 7169**

🥐 Year 2

- **Culinary Arts Capstone — 7233**
- **Baking and Pastry Capstone — 7235**

📌 **Pathway Requirement:** Students only need to successfully complete **one year of the program** to fulfill the pathway requirement. Students who choose to continue into a second year can build additional skills and experience through advanced culinary and baking courses.

👩‍🍳 **Hands-On Experience:** Gain real-world experience while helping operate **To The Nines** and the **Central Kitchen**.

🍽️ **Front & Back of House:** Cross-train in different restaurant positions, from **food preparation and kitchen operations to customer service**.

🥐 **Culinary Skills:** Explore **cooking, baking, nutrition, food identification, kitchen workflow, and food presentation**.

🧼 **Food Safety:** Learn important **safety and sanitation practices** used in professional food-service environments.

🤝 **Career-Ready Skills:** Build teamwork, communication, customer service, time management, and other skills needed in the **culinary and hospitality industry**.

🌟 **Explore Your Future:** Discover career opportunities in **restaurants, catering, baking and pastry, hospitality, food service, and related fields**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

EARLY CHILDHOOD EDUCATION:

Early Childhood Education is a **two-year pathway** for **juniors and seniors** who are interested in working with **infants and young children** or exploring careers in education, child care, and human services.

Students learn how children **grow, learn, and develop** while building the skills needed to create safe, healthy, and supportive learning environments. Topics include **child development, health and safety, classroom environments, positive behavior guidance, age-appropriate activities, and strategies for supporting children's learning and development**.

Throughout the program, students have opportunities to apply what they learn through **hands-on activities and real-world experiences**. They develop communication, teamwork, leadership, problem-solving, and other workplace skills that can be valuable in careers involving children and families.

👶 Two-Year Pathway

Year 1

- **Principles of Early Childhood Education — 7160**
- **Early Childhood Education Curriculum — 7158**
- **Technical Skills Development: Early Childhood Education — 7156**

Year 2

- **Early Childhood Education Guidance — 7159**
- **Early Childhood Education Capstone — 7259**

🧸 **Child Development:** Learn how infants and children **grow, learn, and develop** at different stages.

🏫 **Create Learning Environments:** Learn how to create **safe, healthy, and engaging environments** where children can learn and grow.

💡 **Positive Guidance:** Explore strategies for supporting children's **behavior, development, and social-emotional growth**.

🎨 **Hands-On Learning:** Develop age-appropriate activities and experiences that encourage children's **learning, creativity, and development**.

🤝 **Career Ready:** Build communication, teamwork, leadership, and problem-solving skills for careers working with **children and families**.

🎓 **Explore Your Future:** Prepare for opportunities in **early childhood education, child care, teaching, human services, and related fields**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	2 year pathway

MEDIA & INFORMATION TECHNOLOGY

CYBERSECURITY:

Cybersecurity is a **one-year pathway** for students interested in **computers, technology, cybersecurity, and information systems**. Students explore how people use technology to communicate, solve problems, access information, and work more efficiently.

Students learn how computers and information systems work while developing skills to **analyze problems, process information, and create technology-based solutions**. The program also introduces students to cybersecurity concepts and the tools used to protect computers, networks, and information.

Through hands-on activities and projects, students develop **critical thinking, problem-solving, communication, and technology skills** while exploring how today's technology can be designed and improved for the future.

💻 One-Year Pathway

Students complete the following courses during the **one-year program**:

- **Principles of Computing — 7183**
- **Cybersecurity Fundamentals — 7179**
- **Advanced Cybersecurity — 7178**

🔐 **Explore Cybersecurity:** Learn how technology professionals help **protect computers, networks, systems, and information**.

💡 **Solve Problems with Technology:** Develop skills for analyzing problems and creating technology-based solutions.

🖥️ **Hands-On Computing:** Explore how people interact with computers and information systems to **communicate, work, and increase productivity**.

🧠 **Critical Thinking:** Learn to evaluate different approaches to processing information and solving technology challenges.

🚀 **Technology Careers:** Explore career opportunities in **cybersecurity, information technology, computer systems, networking, and other technology fields**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	2.0 GPA, C or higher in Algebra I and English 9, application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

DIGITAL DESIGN:

Digital Design is a **two-year pathway** for students interested in **graphic design, photography, video, digital media, and creative technology**. Students work with **state-of-the-art equipment and professional design software** to create projects for real-world clients in the community.

Students learn to use industry-standard programs such as **Adobe Photoshop, InDesign, and Illustrator** while developing skills in **page layout, digital photography, graphics, digital audio and video, printing and publication, and product design**.

Through hands-on projects, students build a professional portfolio while learning how to turn creative ideas into finished products. Working with real clients gives students valuable experience with **communication, meeting deadlines, problem-solving, teamwork, and professional expectations**.

🎨 Two-Year Pathway

Year 1

- **Principles of Digital Design — 7140**
- **Digital Design Graphics — 7141**
- **Technical Skills Development: Visual Communications — 7156**

Year 2

- **Graphic Design & Layout NLPS — 5550**
- **Digital Design Capstone — 7246**

💻 **Professional Design Software:** Learn to use **Photoshop, InDesign, and Illustrator** to create professional-quality designs.

📸 **Explore Digital Media:** Develop skills in **photography, graphics, audio/video, page layout, publication, printing, and product design**.

🤝 **Real-World Projects:** Create projects for **businesses and organizations in the community**, giving you experience working with real clients.

📁 **Build Your Portfolio:** Develop a collection of your best work that can be used for **college applications, internships, employment, or future career opportunities**.

🚀 **Career Ready:** Build creative, technical, communication, and problem-solving skills for careers in **graphic design, digital media, photography, marketing, advertising, and visual communications**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	2 year pathway

INFORMATION TECHNOLOGY OPERATIONS:

Information Technology and Operations is a **one-year pathway** for **juniors and seniors** who are interested in computers, networking, cybersecurity, and information technology. Students learn how computers and networks help people communicate, work, and solve problems in today's digital world.

Students gain **hands-on experience with industry-standard networking equipment**, including routers, switches, cabling, connectivity systems, and mounting equipment. They learn how networks are designed, installed, maintained, and supported while developing the problem-solving and critical-thinking skills needed in technology careers.

Students also work through the **Cisco Networking Academy CCNA preparation curriculum**, giving them experience with networking concepts and skills used in the information technology industry.

💻 One-Year Pathway

- **Principles of Computing** — 7183
- **Information Technology Fundamentals** — 7180
- **Networking and Cybersecurity Operations** — 7181

👥 **Who Can Enroll:** This program is available to **juniors and seniors only**.

🌐 **Hands-On Networking:** Work with **routers, switches, cabling, connectivity, and other professional networking equipment**.

🛡️ **Cybersecurity Skills:** Explore networking and cybersecurity concepts while learning how technology systems communicate and operate.

🎓 **Cisco CCNA Preparation:** Complete the **Cisco Networking Academy CCNA preparation curriculum** and build skills aligned with industry expectations.

🚀 **Career Ready:** Develop technical, communication, critical-thinking, and problem-solving skills for careers in **networking, IT support, cybersecurity, and information technology**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	2.0 GPA, C or higher in Algebra I and English 9, application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

MANUFACTURING

PRECISION MACHINING:

Precision Machining is a **two-year pathway** for students interested in manufacturing, engineering, mechanics, and working with advanced machinery. Students learn how to turn raw materials into precise, finished products while developing technical skills used in today's manufacturing industry.

Students get **hands-on experience with industry equipment**, including **bench grinders, mills, lathes, drill presses, belt sanders, and computer numerical control (CNC) machines**. Students learn CNC programming and operation while completing a variety of projects that build accuracy, problem-solving, measurement, and machining skills.

In the second year, students have the opportunity to participate in a **paid internship** and gain valuable experience in a real manufacturing environment. Students may also work toward **National Institute for Metalworking Skills (NIMS) certification**, an industry-recognized credential.

🛠️ Two-Year Pathway

Year 1

- Principles of Precision Machining — 7109
- Precision Machining Fundamentals — 7105
- Technical Skills Development: Precision Machining — 7164

Year 2

- Advanced Precision Machining — 7107
- Precision Machining Capstone — 7219

⚙️ **Hands-On Skills:** Learn to safely operate **mills, lathes, drill presses, grinders, belt sanders, and CNC equipment**.

💻 **CNC Technology:** Learn the basics of **computer numerical control programming and machine operation**.

💼 **Paid Internship Opportunity:** Second-year students may have the opportunity to gain **paid, real-world work experience** in the manufacturing industry.

🏅 **Industry Certification:** Work toward **NIMS certification**, an industry-recognized credential for precision machining professionals.

🚀 **Career Ready:** Build technical and problem-solving skills for careers in **precision machining, manufacturing, CNC operation, engineering, and advanced manufacturing**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Algebra I & geometry recommended, application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	2 year pathway

WELDING TECHNOLOGY:

Welding Technology is a **one-year pathway with an optional second year** for students interested in hands-on work, manufacturing, construction, automotive, and other skilled trades. Welding skills are used in many industries, including **automotive, construction, manufacturing, shipbuilding, oil and gas, and transportation**.

Students learn how to safely use welding equipment and develop skills through hands-on projects. Welding processes covered include **GMAW (MIG), GTAW (TIG), SMAW (Stick), oxy-acetylene cutting, and plasma hand and CNC cutting**. Students build skills in welding, cutting, equipment operation, measurement, safety, and problem-solving.

Students who complete the first year can fulfill the pathway requirement. Those who choose to continue into a second year can develop more advanced welding skills and gain additional hands-on experience through specialized courses and a capstone experience.

🔥 One- to Two-Year Pathway

Year 1 — Pathway Completion

- Principles of Welding Technology — 7110
- Shielded Metal Arc Welding — 7111
- Technical Skills Development: Welding — 7156

Year 2 — Advanced Skills & Experience

- Gas Welding Processes — 7101
- Welding Technology Capstone — 7226

🧰 **Hands-On Learning:** Learn to safely operate welding and cutting equipment while completing real-world projects.

🔥 **Welding Processes:** Develop skills in **GMAW (MIG), GTAW (TIG), SMAW (Stick), oxy-acetylene cutting, and plasma hand and CNC cutting**.

🏭 **Industry Connections:** Explore how welding skills are used in **manufacturing, construction, automotive, transportation, shipbuilding, and other industries**.

🚀 **Career Ready:** Build technical, safety, measurement, problem-solving, and workplace skills that can prepare you for **welding careers, apprenticeships, employment, or further technical training**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application

FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

PROTECTIVE SERVICES

CRIMINAL JUSTICE:

Criminal Justice is a **two-year pathway** for students interested in careers in **law enforcement, corrections, probation, courts, and other areas of the criminal justice system**. This hands-on, training-intensive program introduces students to the skills, responsibilities, and professional expectations of criminal justice careers.

Students participate in **academy-style training modeled after the Indiana Law Enforcement Academy (ILEA)**. The program emphasizes professionalism, integrity, physical fitness, teamwork, communication, and personal responsibility while helping students understand the standards expected in criminal justice careers.

Students explore topics such as **arrests, use-of-force procedures, report writing, communications, terrorism and counterterrorism awareness, court operations, corrections, probation, and cultural awareness**. Through classroom instruction, hands-on activities, and practical training, students build skills that can prepare them for further education, academy training, or careers in criminal justice.

👮 Two-Year Pathway

Year 1

- Principles of Criminal Justice — 7193
- Law Enforcement Fundamentals — 7191
- Technical Skills Development: Criminal Justice — 7156

Year 2

- Corrections and Cultural Awareness — 7188
- Criminal Justice Capstone — 7231

🏃 **Physical Training:** Participate in physical training modeled after **Indiana Law Enforcement Academy (ILEA) standards**.

⚖️ **Criminal Justice Skills:** Explore **arrests, use-of-force procedures, report writing, communications, courts, corrections, and probation**.

📝 **Real-World Training:** Practice skills through **hands-on activities, scenarios, and academy-style training**.

🤝 **Professional Skills:** Develop **integrity, communication, teamwork, responsibility, and professionalism**.

🚔 **Career Ready:** Explore careers in **law enforcement, corrections, probation, courts, and other criminal justice fields** while building a foundation for future academy training or postsecondary education.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	2 year pathway

EMERGENCY MEDICAL SERVICES:

Emergency Medical Technician (EMT) is a **one-year pathway designed for seniors** who are interested in emergency medicine, healthcare, and helping people in urgent situations. Students learn the skills and knowledge needed to begin exploring careers in **Emergency Medical Services (EMS)** and other healthcare fields.

Through classroom instruction, hands-on activities, and realistic scenarios, students experience situations similar to those found in **hospital emergency rooms and ambulatory care settings**. Students develop skills in patient care, medical terminology, emergency response, communication, and professionalism.

At the end of the course, students have the opportunity to pursue **National Registry of Emergency Medical Technicians (NREMT) certification** by successfully completing the required examination.

🚑 One-Year Pathway

- **Principles of Healthcare** — 7168
- **Medical Terminology** — 5274
- **Emergency Medical Technician** — 7165

🎓 **Senior Only:** This program is available **only to high school seniors**.

🚨 **Real-World Training:** Practice responding to **realistic emergency and patient-care situations** similar to those encountered in emergency rooms and ambulatory care.

🩺 **Hands-On Healthcare Skills:** Develop skills in **patient care, emergency response, medical terminology, communication, and professionalism**.

🏅 **NREMT Opportunity:** Students may have the opportunity to earn **NREMT certification** after successfully passing the required examination.

🚀 **Career Ready:** Explore careers in **Emergency Medical Services, emergency medicine, healthcare, and related fields**.

OPEN TO:	Grades: 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

FIRE AND RESCUE:

Fire and Rescue is a **one-year pathway** for students interested in careers in **firefighting, emergency response, public safety, and emergency services**. Students have the unique opportunity to work toward a high school diploma while also earning **four state fire certifications, including Hazmat**.

The program is taught by **career firefighters from the local area** who provide hands-on instruction in both physical training and fire academy requirements. Students learn and practice skills such as **search and rescue, victim removal, fire suppression, fire ground operations, and emergency response procedures**.

Students are issued **professional firefighting gear** and gain hands-on experience working with the campus fire engine and **Self-Contained Breathing Apparatus (SCBA)** equipment. Throughout the program, students learn and practice the fire ground operations that firefighters use every day.

🚒 One-Year Pathway

- **Principles of Fire Fighting** — 7195
- **Fire Fighting Fundamentals** — 7189
- **Advanced Fire Fighting** — 7186

🏅 **Earn Fire Certifications:** Students have the opportunity to earn **four state fire certifications**, including **Hazmat**, while completing the pathway.

👩‍🚒 **Learn from Professionals:** Train with **career firefighters from the local area** who bring real-world experience into the classroom and training environment.

🔥 **Hands-On Training:** Practice **fire suppression, search and rescue, victim removal, and fire ground operations**.

🧯 **Professional Equipment:** Use **firefighting gear, a campus fire engine, and SCBA equipment** while learning proper operation and safety procedures.

💪 **Physical Training:** Participate in physical training and activities designed to help students meet **fire academy expectations**.

🚨 **Career Ready:** Build practical skills and experience for careers in **firefighting, emergency response, public safety, and related fields**.

OPEN TO:	Grades: 11 -12
PREREQUISITES:	Must be 17 by April 1, application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

TRANSPORTATION

AUTO COLLISION REPAIR:

Auto Collision Repair is a **one-year pathway with an optional second year** for students interested in automotive repair, body work, painting, and hands-on technical careers. Students learn how damaged vehicles are repaired and how to safely return them to their **pre-accident condition**.

Students gain hands-on experience with a variety of **auto collision repair techniques**, including **metal and plastic repair, painting, MIG welding, plasma cutting, and cost estimation**. Safety is a major focus as students learn to use tools and equipment properly and follow professional repair procedures.

Students who complete the first year can fulfill the pathway requirement. Students who choose to continue into a second year can build additional skills through a **Collision Repair Capstone** experience.

🚗 One- to Two-Year Pathway

Year 1 — Pathway Completion

- **Principles of Collision Repair** — 7215
- **Automotive Body Repair** — 7204
- **Plastic Body Repair and Painting Fundamentals** — 7206

Year 2 — Advanced Experience

- **Collision Repair Capstone** — 7380

🔧 **Hands-On Skills:** Learn techniques for **metal repair, plastic repair, painting, MIG welding, and plasma cutting**.

🎨 **Automotive Painting:** Develop skills in preparing and painting vehicle surfaces for professional-quality repairs.

💰 **Cost Estimation:** Learn how repair costs are determined and how estimates are used in the collision repair industry.

🛡️ **Safety First:** Practice proper **shop safety, equipment operation, and repair procedures**.

🚘 **Career Ready:** Build skills that can prepare you for careers in **collision repair, auto body repair, automotive painting, estimating, and related automotive fields**.

OPEN TO:	Grades: 11 -12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.APPLIED
NOTES:	1 year pathway

AUTOMOTIVE SERVICES :

Automotive Services is a **two-year pathway** for students interested in cars, trucks, automotive technology, and hands-on mechanical careers. Students learn through a combination of **classroom instruction and laboratory experiences**, working on a variety of modern vehicles while developing the skills needed to diagnose, service, and repair automotive systems.

Students gain hands-on experience with **oil changes, tires, brakes, hand and power tools, engine performance, electrical systems, electronics, steering and suspension systems, and more**. Throughout the program, students learn how to safely use tools and equipment while following professional automotive service procedures.

Students who complete both years may earn **up to 21 dual credits through Ivy Tech Community College** and may also earn an **Ivy Tech Maintenance and Light Repair Certificate**. The program is taught by **ASE Master Certified Instructors** and is part of a **NATEF-certified program**, providing students with training aligned with industry standards.

🚗 Two-Year Pathway

Year 1

- **Principles of Automotive Services** — 7213
- **Brake Systems** — 7205
- **Technical Skills Development: Automotive Service Technology** — 7156

Year 2

- **Steering and Suspensions** — 7212
- **Automotive Service Capstone** — 7375

🔧 **Hands-On Experience:** Work on modern vehicles while learning **service, maintenance, diagnosis, and repair techniques**.

🛠️ **Automotive Skills:** Explore **brakes, tires, oil changes, engine performance, electrical systems, electronics, steering, suspension, and more**.

🎓 **Ivy Tech Dual Credit:** Students who complete the two-year program may earn **up to 21 dual credits through Ivy Tech Community College**.

🏅 **Industry Credential:** Students may earn an **Ivy Tech Maintenance and Light Repair Certificate** after successfully completing both years.

👨‍🔧 **Industry-Experienced Instructors:** Learn from **ASE Master Certified Instructors** in a **NATEF-certified program**.

🚀 **Career Ready:** Build skills for careers in **automotive service, repair, maintenance, diagnostics, and automotive technology**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	2 year pathway

AVIATION MAINTENANCE:

Aviation Technology is a **one-year pathway** offered in partnership with **Vincennes University Aviation Technology**. Classes are held at the **Aviation Technology Center at Indianapolis International Airport**, giving students the opportunity to learn in a professional aviation environment.

Students are introduced to **aircraft maintenance, aviation technology, and Federal Aviation Regulations (FARs)** while developing the skills and knowledge needed to explore careers in the aviation industry.

Because students are training in a professional aviation environment, the program has **strict rules, safety standards, and attendance requirements**. Students are expected to demonstrate responsibility, professionalism, punctuality, and consistent attendance throughout the program.

✈️ One-Year Pathway

✈️ **Real-World Aviation Experience:** Learn in a professional aviation facility at **Indianapolis International Airport**.

🔧 **Aircraft Maintenance:** Explore the fundamentals of **aircraft maintenance and aviation technology**.

📚 **Aviation Regulations:** Become familiar with **Federal Aviation Regulations (FARs)** and aviation industry standards.

⏰ **Attendance Matters:** This program has a **rigid attendance policy**. Consistent attendance and punctuality are essential for successful participation.

🛡️ **Safety & Professionalism:** Students must follow all **safety rules, regulations, and professional expectations** required by the program and aviation industry.

🎓 **College & Career Ready:** Gain valuable experience in a college-connected aviation program while exploring potential careers in **aircraft maintenance and aviation technology**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	This course meets at VU Aviation Center.1 year pathway

AVIATION MANAGEMENT:

Aviation Management is a **one-year pathway** for students interested in **aviation, airplanes, airports, flight, and careers in the aviation industry**. Students explore how the aviation industry works and learn about the many career opportunities available in areas such as aircraft manufacturing, airline operations, general aviation, air freight, airport management, and government service.

Students learn about **aviation technology, aircraft systems, safety, regulations, and certification** while developing a foundation in the science behind flight. Topics include **basic aerodynamics, flight maneuvers, aircraft power plants, human factors, and aviation safety**.

Students also explore the fundamentals of flight and have the opportunity to be **endorsed for the Private Pilot knowledge test**. This program provides a strong introduction for students considering careers as pilots, aviation technicians, airport and airline professionals, or other aviation-related careers.

✈️ One-Year Pathway

- **Principles of Aviation Management** — 7214
- **Private Pilot Theory** — 7217
- **Aviation Safety and Operation** — 7207
- **Aviation Management Capstone** — 7385

✈️ **Explore Aviation:** Learn about **aircraft, airports, airlines, air freight, aviation technology, and aviation careers**.

🛩️ **Flight Fundamentals:** Study **basic aerodynamics, flight maneuvers, aircraft power plants, and the science behind flight**.

🛡️ **Aviation Safety:** Learn about **aviation safety, human factors, federal regulations, and certification requirements**.

📚 **Private Pilot Preparation:** Students have the opportunity to be **endorsed for the Private Pilot knowledge test**.

🚀 **Career Ready:** Explore careers in **piloting, aircraft manufacturing, airline operations, airport management, aviation maintenance, air freight, and government service**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	1 year pathway

DIESEL SERVICE:

Diesel Services is a **two-year pathway** for students interested in working with **diesel engines, trucks, heavy equipment, and automotive technology**. Students develop the hands-on skills needed to prepare for entry-level careers in diesel service and repair.

Students learn through a combination of **classroom instruction, laboratory activities, and hands-on projects**. Throughout the program, students use skills such as **light welding, torch work, mechanical repair, measuring, computer technology, and electrical systems** while learning how to diagnose, service, and repair diesel equipment.

During the second year, students may have the opportunity to participate in a **paid internship**, allowing them to gain valuable real-world experience while working alongside professionals in the diesel industry.

Students also prepare for **entry-level certifications through the Cummins QuickServe Online program**, giving them an opportunity to build industry knowledge and strengthen their career credentials.

🔧 Two-Year Pathway

Year 1

- **Principles of Diesel Services — 7216**
- **Diesel Transmission and Engine Repair — 7211**
- **Technical Skills Development: Diesel Services — 7156**

Year 2

- **Diesel Steering and Brakes — 7210**
- **Diesel Services Capstone — 7221**

🚛 **Hands-On Training:** Learn how to service, diagnose, and repair diesel engines, transmissions, steering, brakes, and other systems.

🛠️ **Build Technical Skills:** Develop experience with **welding, torch work, mechanical systems, measuring tools, computers, and electrical systems**.

💰 **Paid Internship Opportunity:** Second-year students may have the opportunity to gain real-world experience through a **paid internship**.

🏆 **Industry Certifications:** Prepare for **entry-level certifications through the Cummins QuickServe Online program**.

🎯 **Career Ready:** Build the technical and workplace skills needed to pursue careers in **diesel service, heavy equipment, transportation, and related skilled trades**.

OPEN TO:	Grades: 11 - 12
PREREQUISITES:	Application
FULL YEAR COURSE	A Core 40, THD, and AHD course.
NOTES:	2 year pathway

WORK BASED LEARNING

WORK BASED LEARNING:

Work-Based Learning Capstone gives students the opportunity to **learn by doing** through a hands-on internship or work experience connected to their career interests. Students apply what they have learned in the classroom to a real workplace while developing valuable skills for **college, careers, and life after high school**.

Students work with professionals in their chosen career area to build **technical skills, workplace knowledge, communication, teamwork, and problem-solving abilities**. They also learn how organizations operate, including the importance of **leadership, team building, management, and using human and financial resources effectively**.

Throughout the course, students create a **professional work portfolio** that showcases their skills, experiences, accomplishments, and career growth. This portfolio can be useful when applying for **jobs, internships, college programs, or future training opportunities**.

💼 **Real-World Experience:** Gain hands-on experience through an internship or work-based learning placement related to your career interests.

🎯 **Career Connections:** Build skills and knowledge that support your future career and educational goals.

🤝 **Workplace Skills:** Develop **communication, teamwork, leadership, management, and problem-solving skills**.

OPEN TO:	Grades: 12
PREREQUISITES:	95% attendance for junior year, 3 recommendation letters, no disciplinary actions, C or higher in pathway courses, clear defined pathway, application, and interview.
FULL YEAR COURSE	A Core 40, THD, and AHD course.

🎓 Indian Creek High School Advanced Course Options

🎓 DUAL CREDIT	⭐ HONORS	📖 AP
English & Communication	**English**	**Music**
English 12 — IU W131 & L202 (6 cr.)	English 9 Honors	AP Music Theory
Advanced English Composition — IU L111 (3 cr.)	English 10 Honors	
Advanced Speech — IU P155 (3 cr.)		
Math	**Math**	
Finite — IU M118 (3 cr.)	Algebra II Honors	
Precalculus Honors — IU M125 (3 cr.)	Geometry Honors	
Trigonometry Honors — IU M126 (3 cr.)		
Calculus — IU M211 (4 cr.)		
Science	**Science**	
Chemistry II — IU C101/C121 (5 cr.)	Biology Honors	
Biology II — IU L100 (5 cr.)	Chemistry Honors	
Social Studies	Social Studies	
U.S. History — IU H105 & H106 (6 cr.)	U.S. History Honors	
Government — IU Y103 (3 cr.)		
Education & Human Services		
Teaching & Learning — IU W200 (3 cr.)		
Principles of Teaching — Ivy Tech (3 cr.)		
Child & Adolescent Development — Ivy Tech (3 cr.)		
Agriculture & Life Sciences		
Principles of Agriculture — Ivy Tech (3 cr.)		
Animal Science — Ivy Tech (3 cr.)		
Advanced Life Science: Animals — Ivy Tech (3 cr.)		
Advanced Life Science: Plants — Ivy Tech (3 cr.)		
Plant & Soil Sciences — Ivy Tech (3 cr.)		
Ag Power — Ivy Tech (3 cr.)		

📖 **AP — Advanced Placement:** College-level courses that prepare students for an AP exam. Depending on the exam score and college, students may earn college credit or placement.

⭐ **Honors:** Courses that provide additional depth, challenge, and preparation for college-level work.

🎓 **Dual Credit:** Courses through **Indiana University (IU)** or **Ivy Tech** that may allow eligible students to earn both high school and college credit. College credit is subject to college enrollment and eligibility requirements.

💡 **Plan Ahead:** Consider your interests, career goals, college plans, workload, and graduation requirements when selecting advanced courses. Talk with your counselor and teachers when planning your schedule.

🎓 Indian Creek High School

Career & Technical Education (CTE) Pathways

Explore your interests, build career-ready skills, and plan which courses to take throughout high school. Follow the course sequence for the pathway that interests you.

🌱 NLPS Pathways

1. Agriculture

Choose the agriculture pathway that best matches your interests.

Pathway	Year 1	Year 2	Year 3
Agriscience: Animals	Principles of Agriculture	Animal Science	Advanced Life Science: Animals
Agriscience: Plants	Principles of Agriculture	Plant & Soil Science	Advanced Life Science: Plants and Soils
Agristructure	Principles of Agriculture	Agriculture Power, Structure & Technology	Agricultural Structures Fabrication & Design

2. Business

Choose a business sequence focused on accounting, business administration, or marketing.

Pathway	Year 1	Year 2	Year 3
Accounting	Principles of Business Management	Accounting Fundamentals	Advanced Accounting
Business Administration	Principles of Business Management	Management Fundamentals	Accounting Fundamentals

Marketing & Sales	Principles of Business	Marketing Fundamentals	Strategic Marketing

3. Civic Arts

Explore art, band, or choir through a sequence of courses that builds your creative and performance skills.

Pathway	Year 1	Year 2	Year 3
Art	Principles of Business Management*	2D/3D Art, Drawing, Painting, Photography, or Sculpture	Visual Communications
Band	Principles of Business Management*	Intermediate/Advanced Band (two courses)	Advanced Band
Choir	Principles of Business Management*	Intermediate Choir or Vocal Jazz	Advanced Choir

4. Hospitality

Explore food preparation, nutrition, culinary skills, and careers in the hospitality industry.

Year 1	Year 2	Year 3
Principles of Hospitality	Nutrition	Culinary Arts

5. Advanced Manufacturing

Learn about manufacturing processes, technology, and industrial maintenance.

Year 1	Year 2	Year 3
Principles of Advanced Manufacturing	Advanced Manufacturing Technology	Industrial Maintenance Fundamentals

6. Computer Science

Build your technology skills through computing and computer science coursework.

Year 1	Year 2	Year 3

Principles of Computing	Topics in Computer Science	Computer Science

7. Construction

Develop practical construction skills, from basic building techniques to framing and finishing.

Year 1	Year 2	Year 3
Principles of Construction Trades	Construction Trades: General Carpentry	Construction Trades: Framing & Finishing

8. Education Careers

Explore teaching, child development, and the skills needed to work in education.

Year 1	Year 2	Year 3
Principles of Teaching	Child & Adolescent Development	Teaching & Learning

9. Family & Consumer Sciences (FACS)

Choose a sequence in fashion and textiles or interior design.

Pathway	Year 1	Year 2	Year 3
Fashion & Textiles	Principles of Fashion & Textiles	Textiles Applications & Merchandising	Advanced Textiles
Interior Design	Principles of Interior Design	Interior Design Fundamentals	Materials & Design

💡 **Plan Ahead:** Course availability, prerequisites, and scheduling may affect your individual plan. Meet with your counselor to confirm your course sequence and make sure it fits your graduation requirements and future goals.