COURSE CATALOG



CONNECT-LEARN-ENGAGE-ADAPT-REACH

WELCOME



DR. MATT THOMPSON
PRINCIPAL
FOREST PARK HIGH SCHOOL

Dear Forest Park Families,

As we embark on another exciting chapter at Forest Park, I am thrilled to present our Course Selection Guide for the upcoming school year. This resource is designed to help students and families navigate the many opportunities we offer to empower every Ranger to succeed academically and personally.

At Forest Park, we are committed to providing a robust and diverse curriculum that meets the needs of all learners. Whether your student is preparing for college, pursuing a trade, or exploring their unique passions, our courses are crafted to ignite curiosity, build critical skills, and open doors to future success.

This guide reflects our dedication to balancing academic rigor with real-world relevance. From Advanced Placement and dual-credit opportunities to hands-on electives and specialized career pathways, we aim to create a learning experience that inspires excellence and fosters growth.

As you review the guide, please take time to discuss your student's interests, strengths, and goals. Encourage them to think about the paths they might explore and the challenges they are ready to embrace. Our counselors, teachers, and administrators are here to support you every step of the way in making informed and confident decisions.

Thank you for entrusting us with your student's education. Together, we will continue to build a community of learners who strive for excellence, support one another, and prepare for bright futures ahead.

If you have any questions or need assistance during the course selection process, please don't hesitate to reach out. Let's make this an incredible year of discovery and growth for all our students.

Sincerely,
Dr. Matt Thompson
Principal
Forest Park Senior High

INDIANA GRADUATION REQUIREMENTS

In order to graduate, you must:

(1) Earn a Diploma, AND

(2) Earn an Honors Seal or an Honors Plus Seal OR

Meet Box 2 AND 3 of the Graduation Pathway Requirements.

INDIANA DEPARTMENT of EDUCATION

THE NEW INDIANA DIPLOMA: EARNING CREDITS FOR SY 2025-2026

The new Indiana diploma, effective for all students beginning with the class of 2029, includes a base (minimum requirements) for every student, plus the opportunity to earn readiness seals aligned with their unique path. Students are encouraged to seize this flexibility by personalizing their high school experience. The new seals provide additional intentionality to maximize readiness and are designed to be permeable, allowing students to update their graduation plan and pivot, if their original interests and goals change. Students who do not earn a seal must still complete components 2 and 3 of Graduation Pathways.

		REQUIRED CREDITS	FLEXIBLE CREDITS
ENGLISH	8 CREDITS	• 2 credits: English 9 • 1 credit: Communications-focused course	• 5 additional English credits ○ Ex.: English 10-12, American Literature, World Literature, Expository Writing, etc.
MATH	7 CREDITS	• 2 credits: Algebra I • 1 credit: Personal Finance	• 4 additional math credits ○ Ex. Geometry, Algebra II, Pre-Calculus, Probability and Statistics, Business Math, etc.
SCIENCE, TECHNOLOGY, AND ENGINEERING	7 CREDITS	• 2 credits: Biology I • 1 credit: Computer Science	• 2 additional science credits ○ Ex. Biology II, Chemistry I, Physics I, etc. • 2 STEM-focused credits ○ Ex. Plant and Soil Science, Principles of Engineering, Software Development, etc.
SOCIAL STUDIES	5 CREDITS	• 2 credits: U.S. History • 1 credit: U.S. Government	• 2 credits: World Perspectives ○ Ex. Geography and History of the World, AP World History, French III, etc.
PE/HEALTH	2 CREDITS	• 1 credit: Physical Education • 1 credit: Health & Wellness	
PERSONALIZED ELECTIVES	12 CREDITS	Students are encouraged to utilize the new readiness-seals to align these personalized electives with their unique goals. Personalized electives can include a variety of courses, such as Career and Technical Education (CTE), Performing or Fine Arts, and World Languages.	
COLLEGE & CAREERS	1 CREDIT	• 1 credit: Preparing for College & Careers	Preparing for College and Careers can be offered in middle school to provide additional flexibility in a student's high school schedule.

A complete list of eligible courses for the 2025-2026 school year can be found here.

Note: The federally-required alternate diploma for students in special education with a significant cognitive disability is still available.

INDIANA DEPARTMENT of EDUCATION

BLUEPRINT FOR SUCCESS: READINESS-SEALS

Readiness seals are designed to be permeable, allowing students to update their graduation plan and pivot, if their original interests and goals change. Although seals are optional, students are encouraged to utilize the blueprints below to focus their flexible credits into a connected pathway that aligns with their future goals. Students may earn one or multiple seals. Graduation Pathways requirements will be satisfied through completion of any seal.

HONORS SEAL

ENROLLMENT

- Complete at least 4 World Language and 6 Social Studies credits
- Complete at least 8 Math credits
  - Algebra I plus Geometry, Algebra II, and Pre-Calculus or any advanced math credits aligned to their course of study
- Complete at least 6 Science credits
  - Biology I plus Chemistry and Physics or any advanced lab science credits aligned to their course of study
- Earn a C or higher in all courses and earn a cumulative B average
- Complete one of the following:
  - Earn 4 credits in AP, IB, or Cambridge courses and take corresponding exams
  - Earn 6 college credits
  - Score a 1250 on the SAT or a 26 on the ACT
  - Earn two of the following:
    - At least 3 college credits
    - 2 credits in AP courses and take corresponding exams
    - 2 credits in IB courses and take corresponding exams
    - 2 credits in Cambridge courses and take corresponding exams

EMPLOYMENT

- Complete one of the following:
  - A market-driven credential of value aligned to a specific occupation
  - 3 courses in a Career and Technology Education (CTE) pathway
  - An approved career preparation experience aligned to Indiana's CSA program, or
  - An approved, locally-created pathway
- Complete 150 hours of work-based learning (may include multiple experiences that are paid, unpaid, on-site, or simulated)
- Demonstrate skill development in Communication, Collaboration, and Work Ethic
- Meet attendance goal:
  - At least 1 school year with no more than 3 days of unexcused absences; or
  - At least 150 hours of work-based learning experience with no more than 3 unexcused absences.

ENLISTMENT & SERVICE

- Complete one of the following:
  - Introduction to Public Service course or approved locally-created equivalent
    - Emphasis on developing an awareness of the physical standards and character required for service
  - One year of JROTC or Civil Air Patrol in high school
- Achieve a score of 31 on the ASVAB and complete one of the following:
  - All three components of the Career Exploration Program
  - A career exploration tool approved by IDOE
- Meet attendance goal:
  - At least 1 school year with no more than 3 days of unexcused absences
- Demonstrate skill development in Communication, Collaboration, and Work Ethic
  - Externally verified through a mentorship experience with current military personnel, veterans, or other public safety professionals

HONORS PLUS SEAL

Earn the Honors Enrollment Seal, **plus**:

- Earn a credential of value that may include, for example:
  - Associate degree;
  - Technical Certificate;
  - Indiana College Core;
  - AP Scholar with Distinction;
  - Cambridge AICE Diploma; or
  - IB Diploma
- Complete at least 75 hours of work-based learning (may include multiple experiences that are paid, unpaid, on-site, or simulated)
- Demonstrate skill development in the following areas: Communication, Collaboration, and Work Ethic

Earn the Honors Employment Seal, **plus**:

- Earn a market-driven credential of value that may include, for example:
  - Associate degree;
  - Technical Certificate;
  - Indiana College Core; or
  - Advanced industry certificate
- Complete additional work-based learning (total of 650 hours in one or more experiences) that may include, for example:
  - Pre-Apprenticeship
  - Modern Youth Apprenticeship
- Demonstrate skill development in Communication, Collaboration, Work Ethic, and any additional skills determined locally

Earn the Honors Enlistment Seal, **plus**:

- Complete one of the following:
  - Achieve a score of 50 or higher on the ASVAB
  - Enrollment in ROTC at the collegiate level
  - Acceptance to a service academy
- Demonstrate excellence in leadership through one of the following:
  - Completion of at least 100 hours of public service;
  - Holding a leadership role in a co/extracurricular activity;
  - Completion of two seasons of a team-based physical sport or activity

REQUIREMENTS (CLASS OF 2029 & 2030)

Students who do not earn an Honors Seal or an Honors Plus Seal must meet Box 2 AND 3 of the Graduation Pathway Requirements.

P2 Employability Skills

Students must complete at least one of the following:

- ☐ Project-Based Learning
- ☐ Service-Based Learning
- ☐ Work-Based Learning

P3 Post secondary-Ready Competencies

Must complete or earn at least one of the following:

- ☐ Honors Diploma (Not Applicable for Class of 2029
- ☐ ACT benchmarks
- ☐ SAT benchmarks
- ☐ ASVAB qualifying score and complete intent to enlist form
- ☐ State- and Industry- recognized Credential or Certification
- ☐ Federally Recognized Apprenticeship
- ☐ Career-Technical Education Concentrator
- ☐ AP/Dual Credit courses or College Level Examination Program (CLEP) Exams

REQUIREMENTS: CLASS OF 2026, 2027, 2028

Students must satisfy all three of the Graduation Pathway requirements as shown below by completing AT LEAST ONE of the graduation pathway options WITHIN EACH PATHWAY.

P1 High School Diploma

Students must meet the statutorily defined diploma credit and curricular requirements:

- ☐ Core 40 Diploma
- ☐ Core 40 Diploma with Academic Honors
- ☐ Core 40 Diploma with Technical Honors
- ☐ General Diploma

P2 Employability Skills

Students must complete at least one of the following:

- ☐ Project-Based Learning
- ☐ Service-Based Learning
- ☐ Work-Based Learning

P3 Post secondary-Ready Competencies

Students must choose a Career Technical Education Concentrator that can be completed at Forest Park:

- ☐ Advanced Manufacturing
- ☐ Agriculture
- ☐ Architechture
- ☐ Arts (Fine Arts Local Pathway)
- ☐ Business
- ☐ Education
- ☐ STEM (Engineering)
- ☐ Health Science
- ☐ Hospitality & Tourism (Culinary Arts)

... then must complete at least one of the following:

- ☐ Honors Diploma
- ☐ ACT
- ☐ SAT
- ☐ ASVAB
- ☐ State- and Industry- recognized Credential or Certification
- ☐ Federally Recognized Apprenticeship
- ☐ Career-Technical Education Concentrator
- ☐ AP/Dual Credit courses or College Level Examination Program (CLEP) Exams

PATHWAY 1

STUDENTS MUST COMPLETE AT LEAST ONE OF THE FOLLOWING:

P1 GENERAL DIPLOMA (40 CREDITS) (CLASS OF 2028)

8 ENGLISH/LANGUAGE ARTS CREDITS

- ☐☐ English 9
- ☐☐ English 10
- ☐☐ Adv Comp OR English 11 / Adv Speech
- ☐☐ English 12 / English Lit.
  OR Exp. Writing / Tech. Communication

4 SOCIAL STUDIES CREDITS

- ☐☐ U.S. History
- ☐ U.S. Government
- ☐ Any social studies course

4 MATHEMATICS CREDITS

- ☐☐ Algebra 1 or Integrated Mathematics I
- ☐☐ Any math course

General diploma students are required to earn 2 credits in a Math course or a Quantitative Reasoning (QR) course during their junior or senior year. QR courses do not count as math credits.

2 PHYSICAL EDUCATION CREDITS

- ☐☐ Physical Education

4 SCIENCE CREDITS

- ☐☐ Biology 1
- ☐☐ Any science course

At least one credit must be from a Physical Science course.

1 HEALTH & WELLNESS CREDIT

- ☐ Health

6 COLLEGE AND CAREER PATHWAY COURSES CREDITS

- ☐ Personal Financial Responsibility
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

5 FLEX CREDITS

Additional elective courses in a College and Career Pathway; Courses involving workplace learning such as Cooperative Education or Internship courses; High School/College dual credit courses; and/or Additional courses in Language Arts, Social Studies, Mathematics, Science, World Languages or Fine Arts

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

6 ELECTIVE CREDITS

College & Career Pathway recommended

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

PATHWAY 1

STUDENTS MUST COMPLETE AT LEAST ONE OF THE FOLLOWING:

P1 General Diploma (40 Credits) (Class of 2027)

8 ENGLISH/LANGUAGE ARTS CREDITS

- ☐☐ English 9
- ☐☐ English 10
- ☐☐ Adv Comp OR English 11 / Adv Speech
- ☐☐ English 12 / English Lit.
  OR Exp. Writing / Tech. Communication

4 SOCIAL STUDIES CREDITS

- ☐☐ U.S. History
- ☐ U.S. Government
- ☐ Any social studies course

4 MATHEMATICS CREDITS

- ☐☐ Algebra 1 or Integrated Mathematics I
- ☐☐ Any math course

General diploma students are required to earn 2 credits in a Math course or a Quantitative Reasoning (QR) course during their junior or senior year. QR courses do not count as math credits.

2 PHYSICAL EDUCATION CREDITS

- ☐☐ Physical Education

4 SCIENCE CREDITS

- ☐☐ Biology 1
- ☐☐ Any science course

At least one credit must be from a Physical Science course.

1 HEALTH & WELLNESS CREDIT

- ☐ Health

6 COLLEGE AND CAREER PATHWAY COURSES CREDITS

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

5 FLEX CREDITS

Additional elective courses in a College and Career Pathway; Courses involving workplace learning such as Cooperative Education or Internship courses; High School/College dual credit courses; and/or Additional courses in Language Arts, Social Studies, Mathematics, Science, World Languages or Fine Arts

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

6 ELECTIVE CREDITS

College & Career Pathway recommended

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

PATHWAY 1

STUDENTS MUST COMPLETE AT LEAST ONE OF THE FOLLOWING:

P1 GENERAL DIPLOMA (41 CREDITS) (CLASSES OF 2026)

8 ENGLISH/LANGUAGE ARTS CREDITS

- ☐☐ English 9
- ☐☐ English 10
- ☐☐ English 11
- ☐☐ Adv. Composition / English Lit.
  OR Exp. Writing / Tech. Communication

4 SOCIAL STUDIES CREDITS

- ☐☐ U.S. History
- ☐ U.S. Government
- ☐ Any social studies course

4 MATHEMATICS CREDITS

- ☐☐ Algebra 1 or Integrated Mathematics I
- ☐☐ Any math course

General diploma students are required to earn 2 credits in a Math course or a Quantitative Reasoning (QR) course during their junior or senior year. QR courses do not count as math credits.

2 PHYSICAL EDUCATION CREDITS

- ☐☐ Physical Education

4 SCIENCE CREDITS

- ☐☐ Biology 1
- ☐☐ Any science course

At least one credit must be from a Physical Science course.

1 HEALTH & WELLNESS CREDIT

- ☐ Health

1 CAREERS CREDIT

- ☐ Preparing for College and Careers

6 COLLEGE AND CAREER PATHWAY COURSES CREDITS

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

5 FLEX CREDITS

Additional elective courses in a College and Career Pathway; Courses involving workplace learning such as Cooperative Education or Internship courses; High School/College dual credit courses; and/or Additional courses in Language Arts, Social Studies, Mathematics, Science, World Languages or Fine Arts

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

6 ELECTIVE CREDITS

College & Career Pathway recommended

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

PATHWAY 1

STUDENTS MUST COMPLETE AT LEAST ONE OF THE FOLLOWING:

P1 CORE40 DIPLOMA (40 CREDITS) CLASS OF 2028

8 ENGLISH/LANGUAGE ARTS CREDITS
- ☐☐ English 9
- ☐☐ English 10
- ☐☐ Adv Comp OR English 11 / Adv Speech
- ☐☐ English 12 / English Lit.
  OR Exp. Writing / Tech. Communication

6 SOCIAL STUDIES CREDITS
- ☐☐ World History / Civilization
- ☐☐ U.S. History
- ☐ U.S. Government
- ☐ Economics

6 MATHEMATICS CREDITS
- ☐☐ Algebra 1
- ☐☐ Geometry
- ☐☐ Algebra 2

2 PHYSICAL EDUCATION CREDITS
- ☐☐ Physical Education

6 SCIENCE CREDITS
- ☐☐ Biology 1
- ☐☐ Chemistry 1, OR Integrated Chem/Physics
- ☐☐ Any Core 40 Science course

1 HEALTH & WELLNESS CREDIT
- ☐ Health

5 DIRECTED ELECTIVE CREDITS
World Languages, Fine Arts or Career and Technical:
- ☐ Personal Financial Responsibility
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

6 ELECTIVE CREDITS
College & Career Pathway recommended
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

PATHWAY 1

STUDENTS MUST COMPLETE AT LEAST ONE OF THE FOLLOWING:

P1 CORE40 DIPLOMA (40 CREDITS) CLASS OF 2027

8 ENGLISH/LANGUAGE ARTS CREDITS

- ☐☐ English 9
- ☐☐ English 10
- ☐☐ Adv Comp OR English 11 / Adv Speech
- ☐☐ English 12 / English Lit.
  OR Exp. Writing / Tech. Communication

6 SOCIAL STUDIES CREDITS

- ☐☐ World History / Civilization
- ☐☐ U.S. History
- ☐ U.S. Government
- ☐ Economics

6 MATHEMATICS CREDITS

- ☐☐ Algebra 1
- ☐☐ Geometry
- ☐☐ Algebra 2

2 PHYSICAL EDUCATION CREDITS

- ☐☐ Physical Education

6 SCIENCE CREDITS

- ☐☐ Biology 1
- ☐☐ Chemistry 1, OR Integrated Chem/Physics
- ☐☐ Any Core 40 Science course

1 HEALTH & WELLNESS CREDIT

- ☐ Health

5 DIRECTED ELECTIVE CREDITS

World Languages, Fine Arts or Career and Technical:

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

6 ELECTIVE CREDITS

College & Career Pathway recommended

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

PATHWAY 1

STUDENTS MUST COMPLETE AT LEAST ONE OF THE FOLLOWING:

P1 CORE 40 DIPLOMA (41 CREDITS) (CLASSES OF 2026)

8 ENGLISH/LANGUAGE ARTS CREDITS
- ☐☐ English 9
- ☐☐ English 10
- ☐☐ English 11
- ☐☐ Adv. Composition / English Lit.
  OR Exp. Writing / Tech. Communication

6 SOCIAL STUDIES CREDITS
- ☐☐ World History / Civilization
- ☐☐ U.S. History
- ☐ U.S. Government
- ☐ Economics

6 MATHEMATICS CREDITS
- ☐☐ Algebra 1
- ☐☐ Geometry
- ☐☐ Algebra 2

2 PHYSICAL EDUCATION CREDITS
- ☐☐ Physical Education

6 SCIENCE CREDITS
- ☐☐ Biology 1
- ☐☐ Chemistry 1, OR Integrated Chem/Physics
- ☐☐ Any Core 40 Science course

1 HEALTH & WELLNESS CREDIT
- ☐ Health

1 CAREERS CREDIT
- ☐ Preparing for College and Careers

5 DIRECTED ELECTIVE CREDITS
World Languages, Fine Arts or Career and Technical:
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

6 ELECTIVE CREDITS
College & Career Pathway recommended
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

PATHWAY 1

STUDENTS MUST COMPLETE AT LEAST ONE OF THE FOLLOWING:

P1 CORE 40 DIPLOMA WITH ACADEMIC HONORS (47 CREDITS)

For the Core 40 with Academic Honors diploma, students must:

- ☐ Complete all requirements for Core 40.
- ☐ Earn 2 additional Core 40 math credits
- ☐ Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- ☐ Earn 2 Core 40 fine arts credits.
- ☐ Earn a grade of a "C-" or better in courses that will count toward the diploma.
- ☐ Have a grade point average of a "B" or better.
- ☐ Complete one of the followig
  - A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
  - B. Earn 6 verifiable transcripted college credits in dual credit courses from approved dual credit list
  - C. Earn the following:
    1. A minimum of 3 verifiable transcripted college credits from approval dual credit list,
    2. 2 credits in AP courses and corresponding AP exams,
  - D. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 580 on the evidence based reading and writing section
  - E. Earn an ACT composite score of 26 or higher and complete written section

P1 CORE 40 DIPLOMA WITH TECHNICAL HONORS (47 CREDITS)

For the Core 40 with Technical Honors diploma, students must:

- ☐ Complete all requirements for Core 40.
- ☐ Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
  - ◯ Pathway designated industry-based certification or credential, or
  - ◯ Pathway dual credits from the lists of priority courses resulting in 6 transcripted college credits
- ☐ Earn a grade of "C-" or better in courses that will count toward the diploma.
- ☐ Have a grade point average of a "B" or better.
- ☐ Complete one of the following,
  - ◯ Any one of the options (A – E) of the Core 40 with Academic Honors
  - ◯ Earn the following minimum scores on WorkKeys; Workplace Documents, Level 6; Applied Math, Level 6; and Graphic Literacy, Level 5.
  - ◯ Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.

PATHWAY 2 - EMPLOYABILITY SKILLS

P2 Project Based Learning

- [ ] Completion of a project that is worked on throughout the semester in a course

P2 Service-Based Learning

- [ ] Student involvement in a school sport or club or activity in which that student is active for at least one year.

P2 Work-Based Learning

- [ ] Outside Employment
- [ ] Patoka Valley Cooperative Program
- [ ] Work-Based Learning *Must have completed 1 class in career area, have a 95% attendance rate, and 2.5 GPA
- [ ] Cooperative Education (ICE) *Must have 90% attendance rate, NO history of behavior issues at school, and must be earning the General Diploma. (Class of 2026, 2027, and 2028)
- [ ] Career Exploration Internship
- [ ] Capstone course with work-based experience

PATHWAY 3 - POSTSECONDARY-READY COMPETENCIES

STUDENTS MUST COMPLETE AT LEAST ONE OF THE FOLLOWING:

P3 HONORS DIPLOMA

Not applicable for Class of 2029.

P3 ACT

Students must meet the college-ready benchmarks set by ACT. Benchmarks are as follows: 18 in English; 22 in reading; and 23 in science. *Benchmark scores are subject to change.

P3 SAT

Students must meet the college-ready benchmarks set by CollegeBoard. Benchmarks are as follows: 480 in evidence-based reading and writing and 530 in math. *Benchmark scores are subject to change.

P3 ASVAB

Students who complete an intent to list military form and earn a qualifying score of 31 will meet this requirement. The minimum score required to qualify for enlistment varies across the different branches of service as can be seen below.

Army and Marines - Score of 31
Navy - Score of 35
Air Force - Score of 36
Coast Guard - Score of 40

P3 STATE-AND INDUSTRY-RECOGNIZED CREDENTIAL OR CERTIFICATION

See comprehensive list of approved industry-recognized certifications at Indiana Department of Education.

P3 CAREER-TECHNICAL EDUCATION (CTE) CONCENTRATOR

Students must earn a "C" average in the three specific CTE courses outlined in the pathway or must meet the guidelines for the Local Pathway for Fine Arts:

- ☐ Ad Mechanical
- ☐ Agriscience - Animals OR Plants
- ☐ Biomedical Sciences
- ☐ Business
- ☐ Culinary Arts
- ☐ Education Careers
- ☐ Engineering
- ☐ Welding Technology
- ☐ Band
- ☐ Choral
- ☐ Art

P3 AP/DUAL CREDIT COURSES OR COLLEGE LEVEL EXAMINATION PROGRAM (CLEP) EXAMS

Students must earn a "C" average or higher in at least three courses. At least one AP/Dual credit course or CLEP exam needs be in a core content area and/or be a part of a defined CTE curricular sequence. Students pursuing liberal arts tracks must have at least one course corresponding with the Core Transfer Library (CTL).

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 Advanced Manufacturing

Is this the pathway for you?

- Are you curious about how systems/things work?
- Do you like taking time to work through a problem?
- Do you spend time taking things apart and putting them back together?
- Do you enjoy creating and inventing new and different ways to do things?
- Are you interested in how things work?
- Do you wonder how things are made?
- Do you like to use math/science skills to build things?

Careers to Explore

Production Manager	Assemblers	Surveyor
Welders	Inspectors	Electrical Engineer
Maintenance Technician	Quality Engineering	Electrician
Engineering Technologists	Mechanical Engineering	Pipe Fitters
Machine Technicians	Architect	Ironworkers
	Construction	Robotics

Recommended Courses

Freshman

Principles of Agriculture
Introduction to Engineering
Principles of Welding Technology

Sophomore

Agriculture Power Structure & Technology
Agriculture Structures Fabrication & Design
Principles of Construction Trades
Principles of Advanced Manufacturing
Principles of Engineering
Any Above Courses

Junior

Precision Machining at Pike Central
Automation and Robotics at VUJ
Shielded Metal Arc Welding
Gas Welding Processes
Any Above Courses

Senior

Welding Technology Capstone
Precision Machining Capstone @ Pike
Automation and Robotics Capstone @ VUJ
Agribusness Capstone @ FP
Cooperative Education

Advanced Manufacturing Concentrators

Career Pathway	Principles Course	CTE Concentrator A	CTE Concentrator B
Automation and Robotics	Principles of Advanced Manufacturing	Industrial Power Fundamentals	Mechatronics System
Precision Machining	Principles of Precision Machining	Machining Fundamentals	Precision Machining
*Welding Technology	Principles of Welding Technology	Shielded Metal Arc Welding	Gas Welding Processes
*Ag Mechanical and Engineering	Principles of Agriculture	Agriculture Power, Structure and Technology	Agriculture Structures Fabrication and Design

***Students can complete these Concentrator/Career Pathway courses at Forest Park.**

****Students complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 Agriculture, Food, and Natural Resources

Is this the pathway for you?

- Do you get satisfaction from helping people, animals, and/or the environment?
- Do you like to work both inside or outside?
- Do you enjoy math and science?
- Do you enjoy working with your hands?
- Are you able to adapt to different working environments?

Careers to Explore

Agricultural Engineer	Forester	Food Scientist
Agronomist	Arborist	
Manager	Wildlife Biologist	
Teacher	Plant Biologist	
Welding	Conservation Officer	
Agricultural-Sales	Landscaper	

Recommended Courses

Freshman

Principles of Agriculture

Sophomore

Animal Science
Natural Resources

Junior

Advanced Life Science: Animals
Advanced Life Science: Plants & Soils
Any Above Courses

Senior

Work Based Learning
Cooperative Education
Any Above Courses
Agribusiness Capstone

Agriculture Concentrators

Career Pathway	Principles Course	CTE Concentrator A	CTE Concentrator B
*Ag Mechanical and Engineering	Principles of Agriculture	Agriculture Power, Structure, and Technology	Agriculture Structures Fabrication and Design
*Agriscience--Plants or Animals	Principles of Agriculture	Animal Science	Advanced Life Science, Animals
*Agriscience--Plants or Animals	Principles of Agriculture	Animal Science	Advanced Life Science, Plants and Soils

***Students can complete these Concentrator/Career Pathway courses at Forest Park.**

****Students complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 Law, Public Safety, Corrections, and Security

Is this the pathway for you?

The public safety career cluster helps students in planning, managing, and providing legal, public safety, protective services, and homeland security, including professional and technical services.

- Do you enjoy learning about the law?
- Are you able to respond in emergency situations?
- Do you enjoy being on the move and responding to situations?
- Do you enjoy protecting others?

Careers to Explore

Police Officer	Paralegal
Correctional Officer	Court Reporter
Security Officer	EMT/Paramedic
Probation/Parole Officer	Emergency Dispatcher
Lawyer	
Judge	

Recommended Courses

Freshman

Principles of Criminal Justice
Principles of Human Service
Introduction to Public Service

Sophomore

Principles of Criminal Justice
Principles of Human Service

Junior

Criminal Justice Program at VUJ

Senior

Work Based Learning Capstone (internship)

Law, Public Safety, Corrections, and Security CTE Concentrators

Career Pathway	Principles Course	CTE Concentrator A	CTE Concentrator B
Criminal Justice	Principles of Criminal Justice	Law Enforcement Fundamentals	Corrections and Cultural Awareness
Fire and Rescue	Principles of Fire Fighting	Fire Fighting Fundamentals	Advanced Fire Fighting

****Students complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 Architecture & Construction

Is this the pathway for you?

Architecture & Construction is a career cluster that includes all aspects of planning, building, and maintaining a structure whether it be a skyscraper or highway.

Construction	Architecture	Careers to Explore
Freshman Principles of Construction Trades Principles of Agriculture **Sophomore** Introduction to Engineering Agriculture Power, Structure & Technology **Junior** Agriculture Structures Fabrication & Design Construction Trades @ VUJ **Senior** Cooperative Education Construction Trades Capstone @ VUJ	**Freshman** Introduction to Engineering Design Introduction to 2D Art **Sophomore** Principles of Engineering Drawing **Junior** Physics Civil Engineering & Architecture Art Classes **Senior** Calculus Work Based Learning Capstone Art Classes	Architect Civil Engineer Construction Worker Electrician HVAC technician

Architecture & Construction concentrators

Career Pathway	Principles Course	CTE Concentrator A	CTE Concentrator B
Construction Trades--Carpentry	Principles of Construction Trades	Construction Trades (General Carpentry)	Construction Trades: Framing and Finishing
*Engineering	Introduction to Engineering	Principles of Engineering	Civil Engineering & Architecture

***Students can complete these Concentrator/Career Pathway courses at Forest Park.**

****Students who complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 ARTS, AV TECHNOLOGY, AND COMMUNICATION (FINE ARTS REQUIREMENTS)

IS THIS THE PATHWAY FOR YOU?

The Arts, AV Technology, & Communication career cluster provides students with opportunities in designing, producing, exhibiting, performing, writing, or publishing multimedia content.

CAREERS TO EXPLORE				
Graphic Designer	Broadcaster	Teacher (Fine Arts)	Music or Art Therapist	Film and Editors
Photographer	Interior Design	Music Producer	Journalist	

FINE ARTS PATHWAYS REQUIREMENTS *(ALSO REQUIRES A PORTFOLIO)

CAREER PATHWAY	REQUIRED COURSES	REQUIRED ADVANCED COURSES	OPTIONAL ELECTIVE COURSES
Band	**Earn 4 Credits from the following:** Beginning Concert Band Intermediate Concert Band Dance Performance **Earn 2 Credits from the following:** Principles of Business Management Principles of Human Services Principles of Teaching Principles of Early Childhood Edu	**Earn 1 credit from the following options:** Advanced Concert Band Music Theory and Composition Music History & Appreciation	Applied Music: : Guitar Theatre Arts Advanced Speech Instrumental Ensemble
Choral	**Earn 4 Credits from the following:** Beginning Chorus Intermediate Chorus **Earn 2 Credits from the following:** Principles of Business Management Principles of Human Services Principles of Teaching Principles of Early Childhood Edu	**Earn 1 credit from the following options:** Advanced Chorus Music Theory and Composition Music History & Appreciation	Applied Music: Guitar Theatre Arts Advanced Speech Instrumental Ensemble
Art	**Earn 4 Credits from the following:** Introduction to 2D Art Introduction to 3D Art Drawing Ceramics Painting Photography **Earn 2 Credits from the following:** Principles of Business Management Principles of Human Services Principles of Digital Design Principles of Teaching Principles of Early Childhood Edu	**Earn 1 credit from the following options:** Advanced 2D Art Advanced 3D Art Advanced Drawing Advanced Painting Advanced Photography Advanced Ceramics Advanced Placement 2D Art & Design	Introduction to Housing & Interior Design Introduction to Fashion & Textiles Student Media Digital Design & Graphics Digital Marketing

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 BUSINESS MANAGEMENT & ADMINISTRATION, MARKETING, & FINANCE

IS THIS THE PATHWAY FOR YOU?

- Are you someone who likes to work with data to solve problems?
- Do you like to interact with all kinds of people?
- Do you like to come up with new ideas?
- Do you like to follow directions to complete a task?
- Do you consider yourself a leader who could be part of a team?
- Are you interested in being a team captain or having a role in an organization?
- Have you ever dreamed of owning your own business?

RECOMMENDED COURSES

Freshman

Principles of Business Management

Sophomore

Marketing Fundamentals / Digital Marketing

Junior

Accounting Fundamentals
Any Above Courses
Advanced Speech

Senior

Any Business Class
Business Administration Capstone

CAREERS TO EXPLORE

Accountant	Budget Analyst	Human Resource Manager
Account Collector	Business Owner	Insurance Agent
Advertising	Buyer	Loan Officer
Appraiser	Cost Estimator	Purchasing Agent
Auditor	Entrepreneur	Sales
Banking	Financial Analyst	Underwriter

BUSINESS CONCENTRATORS

CAREER PATHWAY	PRINCIPLES COURSE	CTE CONCENTRATOR A	CTE CONCENTRATOR B
*Marketing and Sales	Principles of Business Management	Marketing Fundamentals	Digital Marketing
Business Operations	Principles of Operations and Technology	Business Office Communication	Digital Data Applications
*Business Administration	Principles of Business Management	Marketing Fundamentals	Accounting Fundamentals

***Students can complete these Concentrator/Career Pathway courses at Forest Park.**

****Students who complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 Education and Training

Is this the pathway for you?

The Education and Training career cluster includes the planning, managing and providing education and training services, and related learning support services.

- Are you passionate about working with young people?
- Do you enjoy helping young people reach their full potential?
- Do you enjoy teaching people about new information and ideas?

Careers to Explore		
Principal/Administrator	Teacher	Early Childhood Teacher
School Counselor	School Librarian	

Recommended Courses

Freshman
Principles of Teaching

Sophomore
Child & Adolescent Development
Peer Tutoring

Junior
Principles of Human Services
Teaching and Learning
Psychology
Advanced Speech

Senior
Education Capstone @ FP

Education concentrators

Career Pathway	Principles Course	CTE Concentrator A	CTE Concentrator B
*Education Careers	Principles of Teaching	Child and Adolescent Development	Teaching and Learning

***Students can complete these Concentrator/Career Pathway courses at Forest Park.**

****Students who complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 HEALTH SCIENCE

IS THIS THE PATHWAY FOR YOU?

- Do you get satisfaction from helping people?
- Do you enjoy dealing with a problem that isn't easily solved or doesn't have one correct answer?
- Are you comfortable with situations that are unpredictable and rapidly changing?
- Do you like listening and working with others who have differing viewpoints?
- Are you interested in math and science?
- Do you enjoy doing puzzles, exploring and solving problems?

RECOMMENDED COURSES

Freshman

Principles of Biomedical Sciences

Sophomore

Anatomy & Physiology

Junior

Medical Interventions

AP Biology, AP Chemistry, or Physics

Senior

Any above Science courses

HOSA, CNA, EMS Programs @ VUJ

Medical Terminology (HOSA ONLY)

CAREERS TO EXPLORE

Athletic Trainer	Medical Doctor	Physicians Assistant
Audiologist	Medical Technician	Pharmacist
Chiropractor	Nurse	Ultrasound Technician
Dental Assistant	Nurse Practitioner	
Dentist	Nurse's Aide	
Dietician	Phlebotomist	

HEALTH SCIENCE CONCENTRATOR

CAREER PATHWAY	PRINCIPLES COURSE	CTE CONCENTRATOR A	CTE CONCENTRATOR B
*Biomedical Sciences	Principles of Biomedical Science	Anatomy & Physiology	Medical Interventions
Emergency Medical Services	Principles of Healthcare	Medical Terminology	Emergency Medical Tech

***Students can complete these Concentrator/Career Pathway courses at Forest Park.**

****Students who complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 HOSPITALITY AND TOURISM (CULINARY ARTS)

IS THIS THE PATHWAY FOR YOU?

This pathway involves the management, marketing, and operations of restaurants and other food services, lodging, attractions, recreation events, and travel.

- Do you enjoy serving others and making them feel welcomed?
- Do you enjoy planning events for people?
- Do you enjoy cooking ?

CAREERS TO EXPLORE

Chef	Events Coordinator	Guest Services Manager
Restaurant Manager	Hotel Manager	

RECOMMENDED COURSES

Freshman

Principles of Culinary & Hospitality

Sophomore

Nutrition / Culinary Arts

Principles of Business Management

Junior

Nutrition / Culinary Arts

Marketing Fundamentals

Senior

Any business class

Cooperative Education

Work Based Learning Capstone

Culinary Capstone (Holiday World)

HOSPITALITY & TOURISM CONCENTRATOR

CAREER PATHWAY	PRINCIPLES COURSE	CTE CONCENTRATOR A	CTE CONCENTRATOR B
*Culinary Arts	Principles of Culinary & Hospitality	Nutrition	Culinary Arts

***Students can complete these Concentrator/Career Pathway courses at Forest Park.**

****Students who complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 Social and Community Services

Is this the pathway for you?

- Are you an open-minded person when helping others solve problems?
- Are you self-motivated or interested in helping others?
- Are you compassionate and empathetic?
- Would you like a career in public service?
- Do you have interest in human development and behavior?

Careers to Explore		
Case Worker	Lawyer	Teaching Assistant
Counselor	Police Officer	Teacher
Early Childcare Provider	Social Worker	
Judge	Substance Abuse Counselor	

Recommended Courses

Freshman & Sophomore

Principles of Human Services
Ethnic Studies
Principles of Criminal Justice

Junior

Psychology
Advanced Speech
Any Above Courses

Senior

Social and Community Service @ VUJ

Social and Community Service concentrator

Career Pathway	Principles Course	CTE Concentrator A	CTE Concentrator B
Human & Social Services	Principles of Human Services	Fundamentals of Human Services	Community Health Worker

***The three courses in Human Services make up the Social and Community Services program at VUJ.**

****Students who complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 Science, Technology, Engineering, and Math (STEM)

Is this the pathway for you?

The STEM field includes careers in mathematics, natural sciences, engineering, computer, and information sciences.

- Do you enjoy solving problems with practical solutions?
- Are you skilled in math and science?
- Do you like to alter, design, and create things to make them better?

Careers to Explore

Engineer (Aerospace, biomedical, chemical, electrical, marine, mechanical, civil, and petroleum)	Biologists	Chemists
	Mathematician	Statistician
	Physicist	

Recommended Courses

Freshman

Introduction to Engineering

Sophomore

Principles of Engineering

Junior

Civil Engineering and Architecture
Physics
Computer Integrated Manufacturing

Senior

Calculus
Science Course
Automation & Robotics @ VUJ
Work Based Learning Capstone

Science, Technology, Engineering, and Math (STEM) CTE Concentrators

Career Pathway	Principles Course	CTE Concentrator A	CTE Concentrator B
*Engineering	Introduction to Engineering Design	Principles of Engineering	Civil Engineering and Architecture
*Engineering	Introduction to Engineering Design	Principles of Engineering	Computer Integrated Manufacturing

****Students who complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

***Students can complete these Concentrator / Career Pathway courses at Forest Park.**

PATHWAY 3

POSTSECONDARY-READY COMPETENCIES

P3 Transportation, Distribution and Logistics

Is this the pathway for you?

Are you curious about how systems/things work?

- Do you like taking time to work through a problem?
- Do you spend time taking things apart and putting them back together?
- Are you interested in learning how to fix a car?
- Are you interested in learning about a car's engine?

Careers to explore	
Diesel Mechanic	Automotive Technician/Mechanic
Car Salesman	Aviation Technician/Mechanic
Pilot	

Recommended courses

Freshman

Principles of Automotive Services
Introduction to Engineering

Sophomore

Principles of Engineering

Junior

Automotive Service Program at Southridge

Senior

Automotive Service Capstone at Southridge
Aviation Program at Huntingburg

Transportation, Distribution and Logistics CTE concentrator

Career Pathway	Principles Course	CTE Concentrator A	CTE Concentrator B
Automotive Services	Principles of Automotive Services	Automotive Brakes and Electrical	Engine Performance
Aviation Management	Principle of Aviation Management	Private Pilot Theory	Aviation Safety and Operations

****Students who complete the three CTE courses (a Principles course, a Concentrator A course, and a Concentrator B course) with a C Average in a given career pathway will meet the Postsecondary-Ready Competencies requirement for Graduation Pathways.**

WEIGHTED GRADING SYSTEM POLICY

FOREST PARK JR./SR HIGH SCHOOL WEIGHTED GRADING SYSTEM (CLASS OF 2026 AND AFTER)

Forest Park Jr./Sr. High School offers a vast opportunity for our students to take a rigorous curriculum throughout their time in high school. Advanced Placement and Dual Credit courses reflect the demand for a rigorous education when preparing students for their post secondary plans. A weighted grading system encourages Forest Park students to challenge themselves in their academic planning and course selections. In turn, students will be rewarded for their efforts and pushed academically to challenge themselves to their fullest potential. This will also allow students planning to pursue a collegiate experience to be competitive with other graduates in the college admissions and scholarship process.

Forest Park Jr./Sr. High School will begin implementing a weighted grading system with the Class of 2026. This system will be used to calculate Grade Point Average (GPA). Forest Park will continue to use a 4.0 scale; however, an additional weight of 0.0325 will be added for each weighted course at the end of each semester.

Grading Scale used to calculate Grade Point Average (4.0 Scale)

A = 4.0 A- = 3.667 B+ = 3.333 B = 3.00 B- = 2.667 C+ = 2.333
C = 2.00 C- = 1.667 D+ = 1.333 D = 1.00 D- = 0.667 F = 0.00

The following courses offered at Forest Park Jr./Sr. High School will be weighted:

- Anatomy & Physiology
- AP Biology
- AP Chemistry
- AP 2D Art and Design
- Physics I
- Physics II
- Pre-Calculus, Dual Credit
- Trigonometry, Dual Credit
- Calculus, Dual Credit
- Quantitative Reasoning, Dual Credit
- Advanced Speech, Dual Credit
- English Literature, Dual Credit
- Advanced Composition, Dual Credit
- English 12, Dual Credit
- US History, Dual Credit
- US Government, Dual Credit
- Economics, Dual Credit
- AP Comparative Government & Politics, Dual Credit

A. The GPA of a student is only calculated at the end of the semester.
B. Students must earn a grade of "C-" or above to receive a weighted grade.
C. Students must take the Advanced Placement exam in order to receive the weight for the Advanced Placement courses.
D. A student must enroll in the dual credit portion of all dual enrollment courses to receive the weighted grade.
E. Students who transfer to Forest Park will have their transcripts evaluated, and courses will be weighted accordingly.
F. The list of approved weighted courses will vary with course availability and be updated according to Forest Park course changes, IDOE course offerings, and Indiana College Core 30 programming.
G. Once a student completes a weighted class receiving a grade of "C-" or above, they will receive an additional .0325 points added directly to their cumulative GPA.

CUMULATIVE GPA EXAMPLE:

GPA: 4.0 (all A's) + 16 weighted credits X.0325 =
4.52 (weighted GPA).

CUMULATIVE GPA EXAMPLE:

No Weighted Course	Grade:
Course 1	A
Course 2	A
Course 3	B+
Course 4	B
Course 5	A
Course 6	A-
Course 7	A
3.714 Semester GPA	

Weighted Course	Grade:
Course 1 - Weighted	A
Course 2	A
Course 3	B+
Course 4	B
Course 5	A
Course 6	A-
Course 7	A
3.714 + (0.0325x3) = **3.812 Semester GPA**	

Dual Credit

RANGERS

Indiana College Core

Written Communication: 3-6 credits					
	ENGL 111	English Composition	Dual Credit Ivy Tech	3 credits	1098
	ENGL 215	Rhetoric & Argument	Dual Credit Ivy Tech	3 credits	1008
Speaking and Listening: 3-6 credits					
	COMM 101	Public Speaking	Dual Credit Ivy Tech	3 credits	1078
Quantitative Reasoning: 3-12 credits					
	MATH 123	Quantitative Reasoning	Dual Credit Ivy Tech	3 credits	2550
	MATH 136	College Algebra	Dual Credit Ivy Tech	3 credits	2564
	MATH 137	Trigonometry w/ Analytic	Dual Credit Ivy Tech	3 credits	2566
	MATH 211	Calculus I	Dual Credit Ivy Tech	4 credits	2527
Scientific Ways of Knowing: 3-12 credits					
	BIOL 105	Biology I- Molecular & Cellular Process	Dual Credit Ivy Tech	5 credits	3020
	BIOL 101	Biology I	Advanced Placement (minimum exam score 3)	3 credits	3020
	CHEM 101	Introduction to Chemistry	Advanced Placement (minimum exam score 3)	3 credits	3060
Social Behavioral Ways of Knowing: 3-12 credits					
	ECON 101	Fundamental of Economics	Dual Credit Ivy Tech	3 credits	1514
	HIST 101	American History I	Dual Credit Ivy Tech	3 credits	1542
	HIST 102	American History II	Dual Credit Ivy Tech	3 credits	1542
	POLS 101	American Government & Politics	Dual Credit Ivy Tech	3 credits	1540
	POLS 211	Introduction to World Politics	Dual Credit Ivy Tech	3 credits	1552
Humanistic Artistic Ways of Knowing: 3-12 credits					
	ENGL 206	Introduction to Literature	Dual Credit Ivy Tech	3 credits	1030

30 credits required

Ivytech.edu/dual-credit

Forest Park (2025-26)					
Location	FP Course #	FP Course Title	Dual Credit Institution	Post-Secondary Course # & Title	Credits
Forest Park	1078	***Advanced Speech and Communication**	Ivy Tech	COMM 101 Fundamentals of Public Speaking	3
Forest Park	1098	***Advanced Composition**	Ivy Tech	ENGL 111 English Composition	3
Forest Park	1030	***English Literature**	Ivy Tech	ENGL 206 Introduction to Literature	3
Forest Park	1008	***English 12 (2nd semester only)**	Ivy Tech	ENGL 215 Rhetoric and Argument	3
Forest Park	1542	***US History, Semester I**	Ivy Tech	HIST 101 Survey of American History I	3
Forest Park	1542	***US History, Semester 2**	Ivy Tech	HIST 102 Survey of American History II	3
Forest Park	1540	***U.S. Government**	Ivy Tech	POLS 101 Intro. to American Gov't. & Politics	3
Forest Park	1514	Economics	Ivy Tech	ECON 101 Economics Fundamentals	3
Forest Park	1552	AP Comparative Government and Politics	Ivy Tech	POLS 211 Introduction to World Politics	3
Forest Park	2564	***Pre-Calculus: Algebra**	Ivy Tech	MATH 136 College Algebra	3
Forest Park	2566	*** Pre-Calculus: Trigonometry**	Ivy Tech	MATH 137 Trigonometry with Analytic Geo	3
Forest Park	2527	***Calculus**	Ivy Tech	MATH 211 Calculus I	4
Forest Park	2550	Quantitative Reasoning	Ivy Tech	MATH 123 Quantitative Reasoning	3
Forest Park	7117	Principles of Agriculture	Ivy Tech	AGBS 101-Introduction to Agribusiness Management	3
Forest Park	5008	Animal Science	Ivy Tech	AGRI 103 Animal Science	3
Forest Park	5180	Natural Resources	Ivy Tech	AGRI 115 Natural Resources Management	3
Forest Park	5070	Advanced Life Science: Animals	Ivy Tech	AGRI 107 Advanced Animal Science	3
Forest Park	5074	Advanced Life Science: Plant & Soil	Ivy Tech	AGRI 109 Advanced Plant & Soil Science	3
Forest Park	3020	AP Biology	Ivy Tech	BIOL 105 Biology I - Molecular and Cellular Processes	5
Forest Park	5276	Anatomy and Physiology	Ivy Tech	APHY 101 Anatomy and Physiology I	3
Forest Park	7238	Agribusiness Capstone	VU	AGBS 130 Agribusiness Leadership and Development	3
Forest Park	5088	Ag Power, Structure & Technology	Ivy Tech	AGRI 106 Agricultural Mechanization AGRI 128 Agricultural Safety	3 3
Forest Park	4802	Introduction to Engineering Design	Ivy Tech	DESN 101 - Intro to Design Technology DESN 113 - 2D Computer-Aided Design	3 3
Forest Park	5644	Principles of Engineering	Ivy Tech	DESN 104 Mechanical Graphics	3
Forest Park	5650	Civil Engr. & Architecture (CEA)	Ivy Tech	DESN 105 Architectural Design I	3
Forest Park	7161 7157 7162	Principles of Teaching Child and Adolescent Development Teaching & Learning	Ivy Tech	EDUC 101 Introduction to Teaching EDUC 121 Child/Adolescent Development EDUC 201 Technology in Education	3 3 2
Forest Park	7110	Principles of Welding Technology	Ivy Tech	WELD 100 Welding Fundamentals	3
Southridge	7213 7205 7212	Principles of Automotive Services Brake Systems Steering and Suspension	Ivy Tech	AUTI 100 Basic Automotive Service AUTI 121 Brake Systems AUTI 111 Electrical Systems I	3 3 3
Southridge	7375	Automotive Service Capstone	Ivy Tech	AUTI 122 Steering and Suspension Sytem AUTI 131 Engine Performance Systems I AUTI 145 Driveline Service	3 3 3
Huntingburg Airport	7214 7217 7207	Principles of Aviation Management Private Pilot Theory Aviation Safety and Operations	VU	AFLT 210 Aircraft Systems, Performance, and Aerodynamics AMNT 100 Introduction to Aviation AFLT 285 Aviation Weather	3 2 3
Huntingburg Airport	7385	Aviation Management Capstone	VU	AFLT 100 Private Pilot Ground AFLT 291 Aviation Law	4 3
VUJ	7130 7123 7122	Principles of Construction Trades Construction Trades: General Carpentry Construction Tr: Framing & Finishing	VU	CNST 120 Construction Safety CNST 100 Construction Seminar CNST 105 Framing CNST 105L Framing Lab CNST 180 Concrete and Masonry CNST 180L Concrete and Masonry Lab CNST 160 Finish Carpentry CNST 160L Finish Carpentry Lab	3 1 2 1 2 1 2 1
VUJ	7242	Construction Trades Capstone	VU	CNST 155 Electrical Wiring CNST 155L Electrical Wiring Lab CNST 261 The Indiana Residential Code for One and Two-Family Dwellings CNST 272 Portfolio Development CNST 220 Construction Internship	2 1 3 2 2
VUJ	7168 5286	Principles of Healthcare Health Science Edu: Special Topics	VU	HSGN 102 Introduction to Health Careers	3
VUJ	7168 7166	Principles of Healthcare Health Specialist: CNA	VU	HSGN 102 Introduction to Health Careers HSGN 200 Nurse Assistant Preparatory Course HSGN 106 Dementia Care	3 5 2

Forest Park (2025-26)					
Location	FP Course #	FP Course Title	Dual Credit Institution	Post-Secondary Course # & Title	Credits
	7168	Principles of Healthcare		HSGN 102 Introduction to Health Careers	3
	5274	Medical Terminology		HIMT 110 Medical Terminology for Applied Health	3
VUJ	7165	Emergency Medical Tech	VU	EMTB 212 Emergency Medical Technician	6
HOSA	5274	Medical Terminology	VU	HIMT 110 Medical Terminology for Applied Health	3
	7108	Principles of Advanced Manufacturing		MFNG 130 Introduction to Industrial Maintenance	3
	7103	Advanced Manufacturing Technology		CIMT 110 Electronics for Automation / Lab	3
VUJ			VU	CIMT 110L Electronics for Automation Lab	3
	7106	Mechatronics Systems		CIMT 220 Concepts and Applications in Industrial Automation	3
	7195	Principles of Fire and Rescue		HSPS 165 Fire Fighter I	3
Pike Central	7189	Fire Fighting Fundamentals	Ivy Tech	HSPS 167 Fire Fighter II	3
	7186	Advanced Fire Fighting			
	7193	Principles of Criminal Justice		LAWE 100 Survey of Criminal Justice	3
VUJ	7191	Law Enforecment Fundamentals	VU	LAWE 101 Basic Police Operations	3
				LAW 150 Criminal Minds and Deviant Behavior	3
	7188	Corrections and Cultural Awareness		LAWE 145 Ethics and Professionalism in Criminal Justice	3
	7176	Principles of Human Services		SOCL 153 Introduction to Social Work (Fall)	3
VUJ	7276	Fundamentals of Human Services	VU	SOCL 260 Sociological Aspects of Death (Fall)	3
	7278	Community Health Worker		PSYC 141 Applied Psychology	3
				PSYC 291 Introduction to Disabilities	3

***Priority Class**

Division I Academic Standards

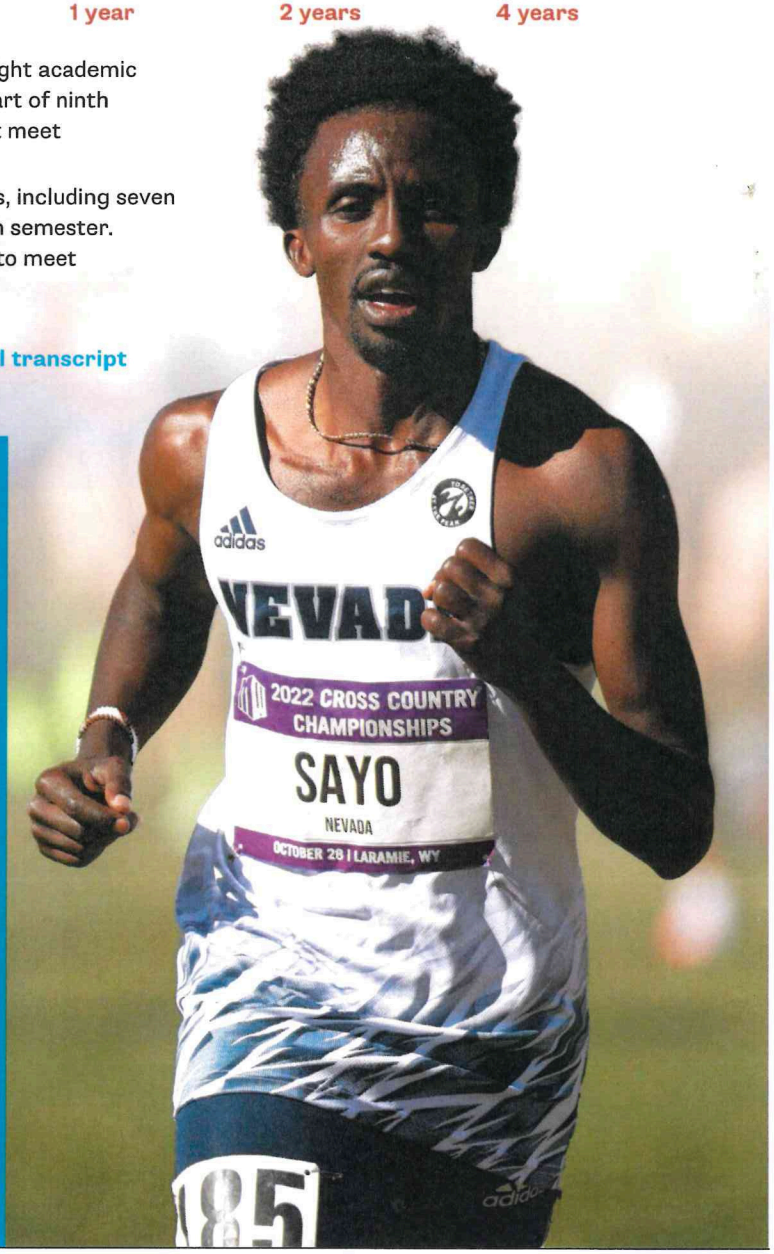
Division I schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

NCAA DIVISION I

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA (English, math or science)	SOCIAL SCIENCE	OTHER Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

2. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester. Once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.



EARLY ACADEMIC QUALIFIER

If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division I and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

ACADEMIC REDSHIRT

You may practice during your first regular academic term and receive an athletics scholarship during your first year of full-time enrollment but may NOT compete during your first year of full-time enrollment. You must pass either eight quarter or nine semester hours to practice in the next term.

NONQUALIFIER

You will not be able to practice, compete or receive an athletics scholarship during your first year of full-time enrollment.

GRADE 9 — REGISTER

- If you haven't yet, **register** for a free Profile Page account at **eligibilitycenter.org** for information on NCAA initial-eligibility requirements.
- Use NCAA Research's **interactive map** to help locate NCAA schools you're interested in attending.
- Find your high school's list of NCAA-approved core courses at **eligibilitycenter.org/courselist** to ensure you're taking the right courses, and earn the best grades possible!

GRADE 10 — PLAN

- If you're being actively recruited by an NCAA school and have a Profile Page account, **transition** it to the required **certification account**.
- Monitor the **task list** in your NCAA Eligibility Center account for next steps.
- At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.
- If you fall behind academically, ask your high school counselor for help finding **approved courses** you can take.

GRADE 11 — STUDY

- Ensure your **sports participation** information is correct in your Eligibility Center account.
- Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved **core courses** and graduate on time with your class.
- Share your **NCAA ID** with NCAA schools recruiting you so each school can place you on its **institutional request list**.
- At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.

GRADE 12 — GRADUATE

- **Request your final amateurism certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at **eligibilitycenter.org**.
- Apply and be accepted to the NCAA school you plan to attend.
- Complete your final NCAA-approved **core courses** as you prepare for graduation.
- After you graduate, ask your high school counselor to upload your final **official transcript** with proof of graduation to your Eligibility Center account.



How to plan your high school courses to meet the 16 core-course requirement: **4 x 4 = 16**

9th GRADE	10th GRADE	11th GRADE	12th GRADE
(1) English	(1) English	(1) English	(1) English
(1) Math	(1) Math	(1) Math	(1) Math
(1) Science	(1) Science	(1) Science	(1) Science
(1) Social Science and/or other	(1) Social Science and/or other	(1) Social Science and/or other	(1) Social Science and/or other
4 CORE COURSES	4 CORE COURSES	4 CORE COURSES	4 CORE COURSES

CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec):
877-262-1492 (toll free), Monday-Friday
9 a.m. to 5 p.m. Eastern time
International (including Quebec):
on.ncaa.com/IntlContact

@ncaaec @ncaaec @ncaaec @playcollegesports

NCAA ELIGIBILITY CENTER

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COURSES

AGRICULTURE

7238	Agribusiness Capstone	1
5008	Animal Science	1
7117	Principles of Agriculture	1
5070	Advanced Life Science: Animals	2
5074	Advanced Life Science: Plants & Soils	2
5180	Natural Resources	2
5228	Supervised Agricultural Experience (SAE - Summer)	3
5237	{CTSO Leadership Development in Action}	3

BUSINESS AND INFORMATION TECH

4562	Principles of Business Management	4
4565	Computing Foundations for a Digital Age	4
5914	Marketing Fundamentals	4
4524	Accounting Fundamentals	4
7145	Digital Marketing	5
4540	Personal Financial Responsibility	5
7140	Principles of Digital Design (Graphic Design)	5
7141	Digital Design Graphics (Advanced Graphic Design)	6
4578	Information Technology: Special Topics	6
7256	Business Admin Capstone	6

ENGLISH

1002	English 9	7
1004	English 10	7
1006	English 11	8
1008	English 12	8
1030	English Literature	8
1034	Film Literature	9
1078	Advanced Speech and Communication	9
1098	Advanced Composition	9
1086Y	Student Media (School Yearbook)	10
1060	Etymology	11
1094	Expository Writing	11
1096	Technical Communication	11

FAMILY AND CONSUMER SCIENCE

7132	Principles of Interior Design	12
7157	Child & Adolescent Development	12
7176	Principles of Human Services	12
7173	Principles of Culinary & Hospitality	13
7171	Nutrition	13
7169	Culinary Arts	13

FINE ARTS

4000	Introduction to 2-Dimensional Art	14
4002	Introduction to 3-Dimensional Art	14
4004	Advanced 2-Dimensional Art	14
4006	Advanced 3-Dimensional Art	15
4040	Ceramics or Advanced Ceramics	15
4060	Drawing or Advanced Drawing	16
4062	Photography	16
4064	Painting or Advanced Painting	17
4146	Dance Perfromance	17
4160	Beginning Concert Band	18
4168	Intermediate Concert Band	18
4170	Advanced Concert Band	19
4182	Beginning Chrous	19
4186	Intermediate Chorus	20
4188	Advanced Chorus	20
4200G	Applied Music: Guitar	21
4206	Music History and Appreciation	21
4208	Music Theory and Composition	22
4242	Theatre Arts	22
4050	AP 2D Art and Design	22
1086Y	Student Media (School Yearbook)	10

COURSES

WORLD LANGUAGE/DIVERSITY

2040	German I	23
2042	German II	23
2044	German III	24
2048	German IV	24
2120	Spanish I	25
2122	Spanish II	25
2124	Spanish III	26
2126	Spanish IV	26

MATHEMATICS

2520	Algebra I	27
2532	Geometry	27
2522	Algebra II	27
2564	Pre-Calculus	28
2566	Trigonometry	28
2527	Calculus	29
4512	{Business Math}	29
2550	Quantitative Reasoning	29

SCIENCE

3020	AP Biology	30
3024	Biology I	30
3060	AP Chemistry	30
3064	Chemistry I	30
3084	Physics I	31
5218	Principles of Biomedical Sciences	31
5276	Anatomy and Physiology	31
3108	{Integrated Chemistry-Physics}	32
3044	Earth & Space Science I	32
5217	Medical Interventions (not offered 2026-27)	32

SOCIAL STUDIES

1512	Current Problems, Issues, and Events	33
1514	Economics	33
1546	Ethnic Studies	34
1518	Indiana Studies	34
1538W	Topics in History: World War I	34
1538WW	Topics in History: World War II	34
1540	United States Government	35
1542	United States History	35
1548	World History and Civilization	36
1552	AP Comparative Government & Politics	36

HEALTH AND PHYSICAL ED.

3506	Health and Wellness Education	37
3542	Physical Education I or Adaptive P.E. I	37
3544	Physical Education II or Adaptive P .E. II	38
3560	Elective Physical Education (Weight Lifting)	38

COURSES

ENGINEERING & INDUSTRIAL TECH

5088I	Ag Power, Structure and Technology	39
7112	Ag Structure Fabrication and Design	39
4792	Principles of Construction Trades	39
5534	Computer Integrated Manufacturing	40
7213F	Principles of Automotive Services	40
4802	Introduction to Engineering Design	40
5644	Principles of Engineering	41
5650	Civil Engineering and Architecture	41
7108	Principles of Advanced Manufacturing	41
7110	Principles of Welding Technology	42
7111	Shielded Metal Arc Welding	42
7101	Gas Welding Processes	42

EDUCATION & TEACHING

7161	Principles of Teaching	43
7157	Child & Adolescent Development	43
7162	Teaching and Learning	43
7176	Principles of Human Services	44
0520	Peer Tutoring (1 period per day)	44
7267	Education Professions Capstone at FP	45

OTHER CAREER AND TECHNICAL

7193	Principles of Criminal Justice @ FP	46
3524	Introduction to Public Service @ FP	46

OFF CAMPUS-CAREER AND TECH

Automation & Robotics (Program @ VUJ)-3 Periods	47
Precision Machining @ Pike Central - 1st Year, 4 Periods	48
Precision Machining @ Pike Central - 2nd Year, 3 Periods	49
Construction Trades - Carpentry @ VUJ - 3 Periods	50
Construction Trades Capstone @ VUJ - 3 Periods	50
Aviation Management @ Huntingburg Airport - 3 Periods	51
Aviation Maintenance Capstone - 3 Periods	51
Criminal Justice @VUJ - 3 Periods	52
Emergency Medical Technician at VUJ - 3 Periods	53
Social and Community Services at VUJ - 3 Periods	54
Automotive Services Program at Southridge - 4 Periods	55
Automotive Services Capstone at Southridge - 3 Periods	55
CNA at VUJ - 3 Periods	56
HOSA at VUJ - 3 Periods	57
Fire Science at Pike Central - 3 Periods	58
Cooperative Education	59
WorkBased Learning Capstone (2 Periods per day)	60

ICON KEY

9 10 11 12

Grade Level Offering
This key tells you which grades are allowed to take this course. Dark colored numbers are the grades allowed to take the certain class.

1/1 CREDIT/SEMESTER

Credits/Semesters
This key tells you how many credits will be earned per semester.

2 CREDITS MAX

Credits Max
This key tells you the number of highschool credits that can be earned during this course.

3 DUAL CREDITS

Dual Credit
This key tells you the number of college credits that can be earned during this course.



Ivy Tech dual Credit
This symbol shows that the course is dual credit with Ivy Tech.



Vincennes Dual Credit
This symbol shows that the course is dual credit with Vincennes.



Weighted
This symbol shows that the course is weighted.



Indiana College Core
This symbol shows that the course transfers among all Indiana public colleges and universities in a block of 30 credit hours.

AGRICULTURE

9	10	11	12
1-3/1-3	CREDIT/SEMESTER		
6	CREDITS MAX		
3	DUAL CREDITS		

7238 Agribusiness Capstone

The Agribusiness Management Capstone introduces students to the Principles of agribusiness management and leadership from a local and global perspective, with the utilization of technology. The course will help students build a strong knowledge base of the agribusiness industry as they study agribusiness types, communications, agricultural law, leadership, and teamwork, ethics, and agricultural economics. Additionally, students will understand the role of selling in the agricultural economy, stressing the points and terminology necessary in today's agriculture. Students will demonstrate principles and techniques for planning, development, application and management of agribusiness systems through project-based learning and a supervised agriculture experience (work-based learning) programs. This course can be used as a capstone experience for any agriculture pathway.

- Required Prerequisites: Any Agriculture Concentrator Sequence
- Recommended Prerequisites: None
- 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits max
- Counts as a directed elective or elective for all diplomas
- Counts as a quantitative reasoning course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

5008 Animal Science

Students participate in a large variety of activities and laboratory work including real and simulated animal science experiences and projects. All areas that the students study may be applied to both large and small animals. Topics to be covered in the course include: history and trends in animal agriculture, laws and practices relating to animal agriculture, comparative anatomy and physiology of aims, bio security threats and interventions relating to animals and human safety, nutrition, reproduction, careers, leadership, and supervised agricultural experiences relating to animal agriculture.

- Required Prerequisites: Principles of Agriculture
- Counts as a directed elective or elective for all diplomas
- Fulfills a physical science requirement for general diploma

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9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

7117 Principles of Agriculture

*Highly recommended as prerequisite to and a foundation for all other agricultural classes. Covers the diversity of the agricultural industry and agribusiness concepts. Students will develop an understanding of the role of agriculture in the United States and globally. Students will explore Agriculture, Food, and Natural Resources (AFNR) systems related to the production of food, fiber and fuel and the associated health, safety and environmental management systems. Topics covered in the course range from animals, plants, food, natural resources, Ag power, structures, and technology, and agribusiness. Participation in FFA and Supervised Agricultural Experiences (SAE) will be an integral part of this course in order to develop leadership and career ready skills.

- Required Prerequisites: none
- Counts as a directed elective or elective credits for all diplomas.

AGRICULTURE

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

5070 Advanced Life Science: Animals

Provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to history and trends in animal agriculture as related to animal welfare, husbandry, diseases and parasites, laws and practices relating to handling, housing, environmental impact, global sustainable practices of animal agriculture, genetics, breeding practices, biotechnology uses, and comparative knowledge of anatomy and physiology of animals used in animal agriculture.

- Required Prerequisites: Principles of Agriculture
- Counts as an elective or directed elective for all diplomas.
- Counts as a quantitative reasoning course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

5074 Advanced Life Science: Plants & Soils

Provides students with opportunities to participate in a variety of activities including laboratory work. Students study concepts, principles, and theories associated with plants and soils. Knowledge gained enables them to better understand the workings of agricultural and horticultural practices. They recognize how plants are classified, grow, function, and reproduce. Students explore plant genetics and the use of plants by humans. They examine plant evolution and the role of plants in ecology. Students investigate, through laboratories and fieldwork, how plants function and how soil influences plant life.

- Required Prerequisites: Principles of Agriculture
- Recommended Prerequisites: Biology; Chemistry
- Counts as a quantitative reasoning course
- Counts as an elective or directed elective for all diplomas.

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

5180 Natural Resources

Natural Resources is a two semester course that provides students with a background in environmental science and conservation. Course work includes hands-on learning activities that encourage students to investigate areas of environmental concern. Students are introduced to the following areas of natural resources: soils, the water cycle, air quality, outdoor recreation, forestry, minerals, interrelationships between humans and natural systems, wetlands, wildlife, safety, careers, leadership, and supervised agricultural experience programs. This class may be taken for dual credit through Ivy Tech (AGRI102).

- Required Prerequisites: Principles of Agriculture
- Counts as an elective or directed elective for all diplomas.

AGRICULTURE

9	10	11	12
1/1	CREDIT/SEMESTER		
8	CREDITS MAX		
0	DUAL CREDITS		

5228 Supervised Agriculture Experience

Designed to provide students with opportunities to gain experience in the agriculture field(s) in which they are interested. Students will experience and apply what is learned in the classroom, laboratory and training site to real-life situations with a standards-based plan for learning. Students work closely with their agriculture teacher(s), parents and/or employers to get the most out of their SAE program. This course can be offered each year as well as during the summer session. Curriculum content and competencies need to be varied so that school year and summer session experiences are not duplicative.

- Required Prerequisites: none
- Counts as a directed elective or elective for all diplomas.
- Curriculum content and standards-based plan for learning should not be duplicated when this course is taken for multiple semesters

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9	10	11	12
1/1	CREDIT/SEMESTER		
6	CREDITS MAX		
0	DUAL CREDITS		

5237 CTSO Leadership Development in Action

A project-based course in which students integrate higher order thinking, communication, leadership, and management processes to conduct Career and Technical Student Organization (CTSO) leadership projects at the local, state, or national level. Each student will create a vision statement, establish standards and goals, design and implement an action plan and timeline, reflect on accomplishments, and evaluate results. Authentic, independent application through CTSO student-directed programs or projects, internship, community-based study, or in-depth laboratory experience is required. Research and development, interdisciplinary projects, and/or collaboration with post-secondary faculty, community agencies, or organizations are appropriate approaches. Instructor must be a current chapter advisor of an Indiana-recognized CTSO. State and national membership in an Indiana recognized CTSO is required of any student enrolled in this course. Service learning experiences are highly recommended. Achievement of applicable CTE, academic, and employability standards will be documented through a required student portfolio.

- Required Prerequisites: none
- Recommended Prerequisites: Preparing for College and Careers; sequence of courses relevant to the student's CTSO and area of concentration; or permission of instructor through an application process.
- Counts as a directed elective or elective for all diplomas
- Note: Can only be offered at schools with officially registered CTSO chapters and must be taught by the registered Advisor of that CTSO Chapter. Students must be members of the state and national CTSO.

BUSINESS AND INFORMATION TECH

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

4562 Principles of Business Management

Principles of Business Management examines business ownership, organization principles and problems, management, control facilities, administration, financial management, and development practices of business enterprises. This course will also emphasize the identification and practice of the appropriate use of technology to communicate and solve business problems and aid in decision making. Attention will be given to developing business communication, problem-solving, and decision-making skills using spreadsheets, word processing, data management, and presentation software.

- Required Prerequisites: none
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4565 Computing Foundations for a Digital Age

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

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

4524 Accounting Fundamentals

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

- Required Prerequisite: Principles of Business Management

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

5914 Marketing Fundamentals

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

- Required Prerequisite: Principles of Business Management
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7145 Digital Marketing

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

- Required Prerequisites: Principles of Business Management; Marketing Fundamentals
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diploma

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4540 Personal Financial Responsibility

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

- Counts as a directed elective or elective for all diplomas
- Counts as a quantitative reasoning course
- Required Prerequisites: none
- Required for Class of 2028, 2029, and 2030

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7140 Principles of Digital Design (graphic design)

Principles of Digital Design introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. Students will have the opportunity to apply the design theory through an understanding of basic photographic theory and technique. Topics will include image capture, processing, various output methods, and light.

- Required Prerequisites: none
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7141 Digital Design Graphics (Advanced Graphic Design)

Will help students to understand and create the most common types of computer graphics used in visual communications. Skills are developed through work with professional vector-based and page layout software used in the industry. Additionally, students will be introduced to a full range of image input technology and manipulation including conventional photography, digital imaging, and computer scanners. Students will learn to communicate concepts and ideas through various imaging devices.

- Required Prerequisites: Principles of Digital Design
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
8	CREDITS MAX		
0	DUAL CREDITS		

4578 Information Technology: Special Topics

Information Technology: Special Topics is an extended learning experience designed to address the advancement and specialization of careers within the career cluster through the provision of a specialized course for a specific workforce in the school's region. The learning experience is at a qualified site, and is designed to give the student the opportunity to learn and practice technical skills while working under the direction of the appropriately licensed professional. Throughout the course, students will focus on learning about employment opportunities and obtaining the knowledge, skills and attitudes essential for success in specific occupations. Course standards and curriculum must be tailored to the specific profession, preparing students to advance in this career field, and where applicable, provide students with opportunities for certification or dual credit. Participation in a related CTSO encourages the development of leadership, communication and career related skills, and opportunities for community service.

- Counts as a directed elective or elective for all diplomas
- Schools must have an approved Nonstandard Course Waiver on file to be eligible for CTE Funding.

9	10	11	12
1/1	CREDIT/SEMESTER		
6	CREDITS MAX		
0	DUAL CREDITS		

7256 Business Administration Capstone

The Business Administration Capstone course will allow students to explore advanced topics in business leadership including Human Resources and International Business. Additionally students will have the chance to complete Managerial Accounting. Throughout the course students will develop business communication skills through work on projects, labs, and simulations. All of these courses represent key business competencies required by nearly all postsecondary Business schools.

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

1002 English 9 and English 9A

English 9, an integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and oral communication, focusing on literature within an appropriate level of complexity for this grade band. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Prerequisites: none
- Fulfills an English/Language Arts requirement for all diplomas

English 9A follows the same curriculum as English 9; however English 9A provides in-depth, differentiated instruction on the English 9 competencies. Students in this course are expected to have mastered the grade level skills and are therefore able to read, write and speak at advanced levels. The curriculum offers students course work and assessments more challenging than English 9. (This course is designed for high-ability students in language arts who are self-motivated to meet academic challenges and are prepared and motivated to learn and work at a much advanced level.)

- 1002A (ENG 9) Fulfills the English/Language Arts requirement all diplomas
- Students are identified for placement in this course.

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

1004 English 10 and English 10A

English 10, an integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 9- 10, is a study of language, literature, composition, and oral communication, focusing on literature with an appropriate level of complexity for this grade band. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write responses to literature, expository (informative) and argumentative/persuasive compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Required Prerequisites: none
- Recommended Prerequisites: English 9 or teacher recommendation
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1004A (ENG 10) Fulfills the English/Language Arts requirement for all diplomas

- Students are identified for placement in this course.
- English 10A follows the same curriculum as English 10; however English 10A provides in-depth, differentiated instruction on the English 10 competencies. Students in this course are expected to have mastered the grade level skills and are therefore able to read, write and speak at advanced levels. The curriculum offers students course work and assessments more challenging than English 10. (This course is designed for high-ability students in language arts who are self-motivated to meet academic challenges and are prepared and motivated to learn and work at a much advanced level.)

ENGLISH

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

1006 English 11

An integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 11-12, is a study of language, literature, composition, and oral communication focusing on literature with an appropriate level of complexity for this grade band. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate in classic and contemporary literature balanced with nonfiction. Students write narratives, responses to literature, academic essays (e.g. analytical, persuasive, expository, summary), and more sustained research assignments incorporating visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

- Required Prerequisites: none
- Fulfills an English/Language Arts requirement for all diplomas

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9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
3	DUAL CREDITS		

1008 English 12

English 12, an integrated English course based on the Indiana Academic Standards for English/Language Arts for Grades 11- 12, is a study of language, literature, composition, and oral communication focusing on an exploration of point of view or perspective across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write narratives, responses to literature, academic essays (e.g. analytical, persuasive, expository, summary), and more sustained research assignments incorporating visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

- Required Prerequisites: Advanced Composition (Ivy Tech ENG 111 English Composition)
- Counts as an Elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
3	DUAL CREDITS		

1030 English Literature

A course based on the Indiana Academic Standards for English/Language Arts, is a study of representative works of the English-speaking authors associated with the Commonwealth of Nations, including England, Scotland, Ireland, Wales, Canada, Newfoundland, Australia, New Zealand, India, South Africa, Kenya, Botswana, and others. Students examine a wide variety of literary genres that reflect the English-speaking peoples from the Anglo-Saxon Period to the present. Students analyze how the ideas and concepts presented in the works are both interconnected and distinctly reflective of the cultures and the countries in which they were written. Courses can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within the curriculum.

- Required Prerequisites: none
- Fulfills an English/Language Arts requirement for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

1034 Film Literature

A course based on the Indiana Academic Standards for English/Language Arts, is a study of how literature is adapted for film or media and includes role playing as film directors for selected screen scenes. Students read about the history of film, the reflection or influence of film on the culture, and issues of interpretation, production and adaptation. Students examine the visual interpretation of literary techniques and auditory language in film and the limitations or special capacities of film versus text to present a literary work. Students analyze how films portray the human condition and the roles of men and women and the various ethnic or cultural minorities in the past and present. Courses can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within the curriculum. Students are identified for placement in this course.

- Required Prerequisites: none

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		



1078 Advanced Speech and Communication

Advanced Speech and Communication, a course based on the Indiana Academic Standards for English/Language Arts and emphasizing the High School Speech and Communication Standards, is the study and application of skills in listening, oral interpretation, media communications, research methods, and oral debate. Students deliver different types of oral and multimedia presentations, including speeches to inform, to motivate, to entertain, and to persuade through the use of impromptu, extemporaneous, memorized, or manuscript delivery.

- Required Prerequisites: none

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
3	DUAL CREDITS		



1098 Advanced Composition

Advanced Composition, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies of exposition and persuasion. Students write expository critiques of nonfiction selections, literary criticism of fiction selections, persuasive compositions, and research reports in addition to other appropriate writing tasks. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

- Required Prerequisites: none
- Fulfills an English/Language Arts requirement for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
6	CREDITS MAX		
0	DUAL CREDITS		

1086Y Student Media (School Yearbook)

Student Media, a course based on the High School Journalism Standards and the Student Media Standards, is the continuation of the study of Journalism. Students demonstrate their ability to do journalistic writing and design for high school media, including school newspapers, yearbooks, and a variety of other media formats. Students follow the ethical principles and legal boundaries that guide scholastic journalism. Students express themselves publicly with meaning and clarity for the purpose of informing, entertaining, or persuading. Students work on high school media staff so that they may prepare themselves for career paths in journalism, communications, writing, or related fields. **(NOTE: STUDENTS WILL BE PRODUCING THE SCHOOL YEARBOOK IN THIS CLASS).**

- Required Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Fulfills the Fine Arts requirement for the Core 40 with Academic Honors.

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

1060 Etymology

Etymology, a language studies course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the derivation of English words and word families from their roots in ancient and modern languages (Latin, Greek, Germanic, and Romance Languages). Students analyze meanings of English words by examining roots, prefixes, and suffixes. Students analyze the connotative and denotative meaning of words in a variety of contexts and the reasons for language change. Students write about word history and semantics in texts that require etymological sensitivity, such as Renaissance poetry or works in translation.

•Required Prerequisites: none

•NOTE: Students are strongly encouraged to combine this course with a literature or composition course that they take before, concurrently, or after the course.

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

1094 Expository Writing

Expository Writing, a course based on the Indiana Academic Standards for English/ Language Arts, is a study and application of the various types of informational writing intended for a variety of different audiences. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

- Required Prerequisites: none
- Fulfills an English/Language Arts requirement for all diplomas
- Students are recommended for this course.

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

1096 Technical Communication

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

- Required Prerequisites: none
- Student are recommended for this course.

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7132 Principles of Interior Design

Principles of Interior Design introduces students to fundamental design theory and color dynamics as applied to compositional design. Investigations into design theory and color dynamics will provide experiences in applying design theory to three-dimensional concepts, human factors and the psychology and social influences of space. These experiences will develop student's skills in creative problem solving, peer evaluation, and presentation skills.

- Required Prerequisites: None
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

7157 Child and Adolescent Development

Child and Adolescent Development examines the physical, social, emotional, cognitive, and moral development of the child from birth through adolescence with a focus on the middle years through adolescence. Basic theories of child development, biological and environmental foundations of development, and the study of children through observation and interviewing techniques are explored. The influence of parents, peers, the school environment, culture and the media are discussed. An observation experience up to 20 hours may be required for completion of this course. This course has been approved to be offered for dual credit. Students pursuing this course for dual credit are still required to meet the minimum prerequisites for the course and pass the course with a C or better in order for dual credit to be awarded.

- Recommended Grades: 10, 11, 12
- Required Prerequisites: Principles of Teaching
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7176F Principles of Human Services

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

•Required Prerequisites: none

- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- This class is taught at Forest Park

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7173 Principles of Culinary and Hospitality

Principles of Culinary and Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the food service and lodging industry. Introduces procedures for decision making which affects operation management, products, labor, and revenue. Additionally, students will learn the fundamentals of food preparation, basic principles of sanitation, service procedures, and safety practices in the food service industry including proper operation techniques for equipment.

- Required Prerequisites: none
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7171 Nutrition

Nutrition students will learn the characteristics, functions and food sources of the major nutrient groups and how to maximize nutrient retention in food preparation and storage. Students will be made aware of nutrient needs throughout the life cycle and to apply those principles to menu planning and food preparation. This course will engage students in hands-on learning of nutritional concepts such as preparing nutrient dense meals or examining nutritional needs of student athletes

- Required Prerequisites: Principles of Culinary and Hospitality
- Recommended Prerequisites: None
- 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7169 Culinary Arts

Culinary Arts teaches students how to prepare the four major stocks, the five mother sauces (in addition to smaller sauces) and various soups. Additional emphasis is placed on the further development of the classical cooking methods. This course will also present the fundamentals of baking science including terminology, ingredients, weights and measures, and proper use and care of equipment. Students will produce yeast goods, pies, cakes, cookies, and quick breads.

- Required Prerequisites: Principles of Culinary and Hospitality
- Recommended Prerequisites: None
- 2 semester course, 2 semesters required
- Counts as a directed elective or elective for all diplomas

FINE ARTS

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4000 Introduction to 2-Dimensional Art

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

- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4002 Introduction to 3-Dimensional Art

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

- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4004 Advanced 2-Dimensional Art

Advanced Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to Two-Dimensional Art that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills.

- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Required Prerequisite: Introduction to 2D Art

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4006 Advanced 3-Dimensional Art

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

- Required Prerequisites: Introduction to 3D Art
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory Course

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4040 Ceramics or Advanced Ceramics

A course based on the Indiana Academic Standards for Visual Art. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

- Required Prerequisites: For Advanced Ceramics, successful completion of Ceramics
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L), Introduction to Three- Dimensional Art (L)
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory Course

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4060 Drawing or Advanced Drawing

Drawing is a course based on the Indiana Academic Standards for Visual Art. Students in drawing engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create drawings utilizing processes such as sketching, rendering, contour, gesture, and perspective drawing and use a variety of media such as pencil, chalk, pastels, charcoal, and pen and ink. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

- Required Prerequisites: For Advanced Drawing, successful completion of Drawing
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory Course

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4062 Photography

Photography is a course based on the Indiana Academic Standards for Visual Art. Students in photography engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works, creating photographs, films, and videos utilizing a variety of digital tools and darkroom processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art- related careers.

- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4064 Painting or Advanced Painting

Painting is a course based on the Indiana Academic Standards for Visual Art. Students taking painting engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creation of portfolio quality works. Students create abstract and realistic paintings, using a variety of materials such as mixed media, watercolor, oil, and acrylics as well as techniques such as stippling, gouache, wash, and impasto. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art- related careers.

- Required Prerequisite: For Advanced Painting, successful completion of Painting
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4146 Dance Performance

Dance Performance is based on the Indiana Academic Standards for Dance. Sequential and systematic learning experiences are provided in the specific genre offered, whether it is Ballet, Modern, Jazz, or Ethnic-Folk. Activities utilize a wide variety of materials and experiences and are designed to develop techniques appropriate within the genre, including individual and group instruction in performance repertoire and skills. Students develop the ability to express their thoughts, perceptions, feelings, and images through movement. The performance class provides opportunities for students to experience degrees of physical prowess, technique, flexibility, and the study of dance performance as an artistic discipline and as a form of artistic communication. Students describe, analyze, interpret, and judge live and recorded dance performances of professional dancers and companies in the genre. They also become aware of the career opportunities in dance.

- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- A non-licensed dance instructor may be contracted to provide instruction with a licensed Fine Arts teacher serving as the teacher of record
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

4160 Beginning Concert Band

Beginning Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course are provided with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Experiences include improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

4168 Intermediate concert Band

Intermediate Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Students study a varied repertoire of developmentally appropriate concert band literature and develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

- Required Prerequisites: none
- Recommended Prerequisites: Beginning Concert Band
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
4	CREDITS MAX		
0	DUAL CREDITS		

4170 Advanced Concert Band

Advanced Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. This course provides students with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Experiences include improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Beginning and Intermediate Concert Band
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

4182 Beginning Chorus

Beginning Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Beginning Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

4186 Intermediate Chorus

Intermediate Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Intermediate Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Beginning Chorus
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
4	CREDITS MAX		
0	DUAL CREDITS		

4188 Advanced chorus

Advanced Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Advanced Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Beginning and Intermediate Chorus
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

4200G Applied Music: Guitar

Applied Music is based on the Indiana Academic Standards for High School Choral or Instrumental Music. Applied Music offers high school students the opportunity to receive small group or private instruction designed to develop and refine performance skills. A variety of music methods and repertoire is utilized to refine students' abilities in performing, creating, and responding to music.

- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course
- Students must have a guitar for guitar class

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

4206 Music History and Appreciation

Music History and Appreciation is based on the Indiana Academic Standards for Music and standards for this specific course. Students receive instruction designed to explore music and major musical styles and periods through understanding music in relation to both Western and Non-Western history and culture. Activities include analyzing and describing music; evaluating music and music performances; and understanding relationships between music and the other arts, as well as disciplines outside of the arts.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 or 2 semester course, 1 credit per semester. The nature of this course allows for two successive semesters of instruction at an advanced level provided that defined proficiencies and standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

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9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

4208 Music Theory and Composition

Music Theory and Composition is based on the Indiana Academic Standards for Music and standards for this specific course. Students develop skills in the analysis of music and theoretical concepts. Students develop ear training and dictation skills, compose works that illustrate mastered concepts, understand harmonic structures and analysis, understand modes and scales, study a wide variety of musical styles, study traditional and nontraditional music notation and sound sources as tools for musical composition, and receive detailed instruction in other basic elements of music. First semester focuses on music theory, and second semester focuses on music composition.

- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory Course

9	10	11	12
1/1	CREDIT/SEMESTER		
8	CREDITS MAX		
0	DUAL CREDITS		

4242 Theater Arts

Theater Arts is based on the Indiana Academic Standards for Theater. Students enrolled in Theater Arts read and analyze plays, create scripts and theater pieces, conceive scenic designs, and develop acting skills. These activities incorporate elements of theater history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theater, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theater patrons in their community.

- Required Prerequisites: none
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory Course
- The nature of this course allows for successive semesters of instruction

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

4050 AP 2D Art and Design

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

- Required Prerequisites: none
- Recommended Prerequisites: Advanced laboratory 2-D visual arts courses
- Counts as a directed elective or elective for all diplomas
- Fulfills the fine arts requirement for the Core 40 with Academic Honors Diploma

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2040 German I

German I, a course based on Indiana's Academic Standards for World Languages, introduces students to effective strategies for beginning German language learning, and to various aspects of German-speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products and perspectives of German-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding German language and culture outside of the classroom.

- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2042 German II

A course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for German language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of German-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding German language and culture outside of the classroom.

- Required Prerequisites: German I
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2044 German III

German III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for German language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of German- speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding German language and culture outside of the classroom.

- Required Prerequisites: German I and II
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

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9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2048 German IV

German IV, a course based on Indiana's Academic Standards for World Languages, provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Additionally, students will continue to develop understanding of German-speaking culture through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of the target culture and the student's own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the German language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native German speakers.

- Required Prerequisites: German I, II and III
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2120 Spanish I

Spanish I, a course based on Indiana's Academic Standards for World Languages, introduces students to effective strategies for beginning Spanish language learning, and to various aspects of Spanish-speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products and perspectives of Spanish-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom.

- Required Prerequisites: none
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

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9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2122 Spanish II

Spanish II, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of Spanish-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom.

- Required Prerequisites: Spanish I
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2124 Spanish III

Spanish III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of Spanish speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding Spanish language and culture outside of the classroom.

- Required Prerequisites: Spanish I and II
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

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9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2126 Spanish IV

Spanish IV, a course based on Indiana's Academic Standards for World Languages, provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Additionally, students will continue to develop understanding of Spanish-speaking culture through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of the target culture and the student's own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the Spanish language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native Spanish speakers.
This class may be taken for dual credit through Ivy Tech (SPAN101)

- Required Prerequisites: Spanish I, II, and III
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

MATHEMATICS

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2520 Algebra I

Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of six strands: Real Numbers and Expressions; Functions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics. These critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will also engage in methods for analyzing, solving, and using quadratic functions. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Fulfills a Mathematics course requirement for all diplomas
- Fulfills the Algebra I requirement for all diplomas
- Students pursuing Core 40, Core 40 with Academics Honors, or Core 40 with Technical Honors diploma should receive credit for Algebra I by the end of Grade 9

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2532 Geometry

Geometry formalizes and extends students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Seven critical areas comprise the Geometry course: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Required Prerequisites: none
- Recommended Prerequisites: Algebra I
- Fulfills a Mathematics course requirement for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

2522 Algebra II

Builds on work with linear, quadratic, and exponential functions and allows for students to extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Algebra II is made up of seven strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Required Prerequisites: none
- Recommended Prerequisites: Algebra I
- Fulfills a Mathematics course requirement for all diplomas
- Fulfills the Algebra II requirement for all diplomas

MATHEMATICS

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
3	DUAL CREDITS		



2564 Pre-Calculus

Extends the foundations of algebra and functions developed in previous courses to new functions, including exponential and logarithmic functions, and to sequences and series. The course provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Pre-Calculus: Algebra is made up of five strands: Functions; Quadratic, Polynomial, and Rational Equations and Functions; Exponential and Logarithmic Functions; Sequences and Series; and Conics. The course is designed for students who expect math to be a major component of their future college and career experiences, and as such it is designed to provide students with strong foundations for calculus and other higher-level math courses. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Required Prerequisites: none
- Recommended Prerequisites: Algebra II and Geometry
- Fulfills a Mathematics course requirement for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
3	DUAL CREDITS		



2566 Trigonometry

Pre-Calculus: Trigonometry provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry provides the foundation for common periodic functions that are encountered in many disciplines, including music, engineering, medicine, finance, and nearly all other STEM disciplines. Trigonometry consists of six strands: Unit Circle; Triangles; Periodic Functions; Identities; Polar Coordinates and Complex Numbers; and Vectors. Students will advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates. A strong understanding of complex and imaginary numbers is a necessity for fields such as engineering and computer programming. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Prerequisites: Algebra II and Geometry
- Fulfills a Mathematics course requirement for all diplomas

MATHEMATICS

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
8	DUAL CREDITS		

2527 Calculus

Calculus expands a student's knowledge of topics like functions, graphs, limits, derivatives, and integrals. Additionally, students will review algebra and functions, modeling, trigonometry, etc. Calculus is made up of five strands: Limits and Continuity; Differentiation; Applications of Derivatives; Integrals; and Applications of Integrals. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Pre-Calculus: Algebra and Pre-Calculus: Trigonometry
- 2 semester course, 1 credit per semester
- Fulfills a Mathematics course requirement for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

4512 Business Math

Students are identified for placement in this course.

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

- Required Prerequisites: Algebra I
- Recommended Prerequisites: none
- Counts as a quantitative reasoning course
- Counts as an elective or directed elective for all diplomas

Fulfills a Mathematics requirement for the General Diploma or Certificate of Completion only.

- Counts as a Math credit for The Indiana New Diploma

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

2550 Quantitative Reasoning

Quantitative Reasoning is a mathematics course focused on the study of numeracy, ratio and proportional reasoning, modeling, probabilistic reasoning to assess risk, and statistics. Students build knowledge of and confidence with basic mathematical/analytical concepts and operations required for problem solving, decision making, and economic productivity in real-world applications and prepare for an increasingly information-based society in which the ability to use and critically evaluate information, especially numerical information, is essential. Technology, such as computers and graphing calculators, should be used frequently. This higher-level mathematics course is designed to align with college-level quantitative reasoning courses for dual secondary/college credit. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Required Prerequisites: Algebra II
- Recommended Prerequisites: none
- Fulfills a Mathematics course requirement for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		





3020 AP Biology

AP Biology is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The major themes of the course include: The process of evolution drives the diversity and unity of life, Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis, Living systems store, retrieve, transmit and respond to information essential to life processes, Biological systems interact, and these systems and their interactions possess complex properties.

- Required Prerequisites: Biology I and Chemistry I
- Counts as a science course for all diplomas
- Qualifies as a quantitative reasoning course
- Laboratory course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

3024 Biology I

Biology I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three dimensional understanding of Biology topics. Disciplinary Core Ideas for this course include From Molecules to Organisms, Ecosystems, Heredity and Biological Evolution. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

- Required Prerequisites: none
- Recommended Prerequisites: none
- Fulfills the Biology requirement for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		



3060 AP Chemistry

AP Chemistry is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The content includes: (1) structure of matter: atomic theory and structure, chemical bonding, molecular models, nuclear chemistry; (2) states of matter: gasses, liquids and solids, solutions; and (3) reactions: reaction types, stoichiometry, equilibrium, kinetics and thermodynamics.

- Required Prerequisites: Chemistry I
- Counts as a science course for all diplomas
- Qualifies as a quantitative reasoning course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

3064 Chemistry I

Chemistry I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three dimensional understanding of Chemistry topics. Disciplinary Core Ideas for this course include Matter and its Interactions and Energy. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

- Required Prerequisites: none
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

3084 Physics I

Physics I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three dimensional understanding of Physics topics. Disciplinary Core Ideas for this course include Forces and Interactions, Energy, Wave Properties, and Electromagnetic Radiation. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

- Recommended Prerequisites: Algebra I or Algebra II
- Counts as an elective for all diplomas
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a Quantitative Reasoning course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

5218 Principles of Biomedical Sciences

Principles of the Biomedical Sciences provides an introduction to this field through "hands-on" projects and problems. Student work involves the study of human medicine, research processes and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts included in the curriculum are: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. Engineering principles such as the design process, feedback loops, fluid dynamics, and the relationship of structure to function will be included where appropriate. The course is designed to provide an overview of all courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses. NOTE: This course aligns with the PLTW Principles of Biomedical Sciences curriculum. Use of the PLTW Curriculum may require additional training and membership in the PLTW network.

- Required Prerequisites: Biology I or concurrent enrollment in Biology I is required
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

5276 Anatomy and Physiology

Anatomy & Physiology is a course in which students investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body. It introduces students to the cell, which is the basic structural and functional unit of all organisms, and covers tissues, integument, skeletal, muscular, and nervous systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & Physiology. Students will understand the structure, organization and function of the various components of the healthy body in order to apply this knowledge in all health related fields.

- Required Prerequisites:
- Recommended Prerequisites: Biology
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

3108 Intergrated Chemistry-Physics (ICP)

Integrated Chemistry and Physics incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three-dimensional understanding of Chemistry and Physics topics. Disciplinary Core Ideas for this course include Matter and its Interactions, Forces, Energy, and Waves and their Applications in Technologies for Information Transfer. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

- Recommended Prerequisites: Algebra I (may be taken concurrently with this course)
- Counts as an elective for all diplomas
- Qualifies as a Quantitative Reasoning course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

3044 Earth and Space Science I

Earth and Space Science incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three dimensional understanding of Earth and Space Science topics. Disciplinary Core Ideas for this course include Earth's Place in the Universe, Earth's Systems, and Human Interaction with Earth's Systems. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

- Required Prerequisites: none
- Counts as an elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

5217 Medical Interventions (not offered 2026-27)

Medical Interventions is a course that studies medical practices, including interventions, to support humans in treating disease and maintaining health. Using a project-based learning approach, students will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will also study the design and development of various interventions. Lessons will cover the history of organ transplants and gene therapy with additional readings from current scientific literature addressing cutting edge developments. NOTE: This course aligns with the PLTW Medical Interventions curriculum. Use of the PLTW Curriculum may require additional training and membership in the PLTW network.

- Recommended Grade(s): 11
- Required Prerequisites: Principles of Biomedical Sciences
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

SOCIAL STUDIES

9	10	11	12
1/1	CREDIT/SEMESTER		
8	CREDITS MAX		
0	DUAL CREDITS		

1512 Current Problems, Issues, and Events

Current Problems, Issues, and Events gives students the opportunity to apply investigative and inquiry techniques to the study of significant problems or issues. Students develop competence in (1) recognizing cause and effect relationships, (2) recognizing fallacies in reasoning and propaganda devices, (3) synthesizing knowledge into useful patterns, (4) stating and testing hypotheses, and (5) generalizing based on evidence. Problems or issues selected will have contemporary historical significance and will be studied from the viewpoint of the social science disciplines. Community service programs and internships within the community may be included.

- Required Prerequisites: none
- Recommended Prerequisites: none
- Counts as an elective for all diplomas
- Fulfills social studies requirement for General Diploma

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		





1514 Economics

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

- Counts as an elective for all diplomas
- Fulfills the Economics requirement for the Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors and International Baccalaureate diplomas
- Fulfills a Social Studies requirement for the General Diploma
- Qualifies as a quantative reasoning course

SOCIAL STUDIES

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

1516 Ethnic studies

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

- Required Prerequisites: none
- Recommended Prerequisites: none
- Counts as an elective for all diplomas
- Must be offered at least once per school year

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

1518 Indiana Studies

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

- Counts as an elective for all diplomas
- Fulfills course requirement for General Diploma
- Must be offered at least once per school year

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

1538W Topics in history: world war I

Topics in History provides students the opportunity to study specific historical eras, events, or concepts. Development of historical research skills using primary and secondary sources is emphasized. The course focuses on one or more topics or themes related to United States or world history. Examples of topics might include: (1) twentieth- century conflict, (2) the American West, (3) the history of the United States Constitution, and (4) democracy in history.

- Required Prerequisites: none
- Recommended Prerequisites: United States History or World History and Civilization
- Counts as an elective for all diplomas
- Fulfills course requirement for General Diploma

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

1538WW Topics in History: World War II

Topics in History provides students the opportunity to study specific historical eras, events, or concepts. Development of historical research skills using primary and secondary sources is emphasized. The course focuses on one or more topics or themes related to United States or world history. Examples of topics might include: (1) twentieth- century conflict, (2) the American West, (3) the history of the United States Constitution, and (4) democracy in history.

- Required Prerequisites: none
- Recommended Prerequisites: United States History or World History and Civilization

SOCIAL STUDIES

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
3	DUAL CREDITS		





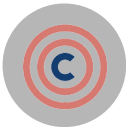
1540 United States Government

The United States Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States. Responsible and effective participation of citizens is stressed. Students understand the nature of citizenship, politics, and governments and understand the rights and responsibilities of citizens and how these are part of local, state, and national government. Students examine how the United States Constitution protects rights and provides the structure and functions of various levels of government. Analysis of how the United States interacts with other nations and the government's role in world affairs is included in this course. Using primary and secondary resources, students will articulate, evaluate, and defend positions on political issues. As a result, they will be able to explain the role of individuals and groups in government, politics, and civic activities and the need for civic and political engagement of citizens in the United States. This course may be taken for dual credit through Ivy Tech, Sem.1 (POLS 101).

- Required Prerequisites: none
- Recommended Prerequisites: none
- Fulfills Government requirement for all diplomas
- Students are required to take the naturalization test for citizenship per SEA 132 (New 2019- 2020).
- SEA 398 (Spring 2020) states that schools will be required to issue the naturalization test, report results, and post test data results starting in November 2022.

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
6	DUAL CREDITS		





1542 United States History

United States History is a two-semester course that builds upon concepts developed in previous studies of U.S. History and emphasizes national development from the late nineteenth century into the twenty-first century. After reviewing fundamental themes in the early development of the nation, students are expected to identify and review significant events, persons, and movements in the early development of the nation. The course then gives major emphasis to the interaction of key events, people, and political, economic, social, and cultural influences in national developments from the late nineteenth century through the present as they relate to life in Indiana and the United States. Students are expected to trace and analyze chronological periods and examine the significant themes and concepts in U.S. History. Students develop historical thinking and research skills and use primary and secondary sources to explore topical issues and to understand the cause for changes in the nation over time. This course may be taken for dual credit through Ivy Tech, Sem I (HIST101), Sem II (HIST102).

- Required Prerequisites: none
- Recommended Prerequisites: none
- Fulfills the US History requirement for all diplomas

SOCIAL STUDIES

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

1548 World History and Civilization

World History and Civilization emphasizes events and developments in the past that greatly affected large numbers of people across broad areas and that significantly influenced peoples and places in subsequent eras. Key events related to people and places as well as transcultural interaction and exchanges are examined in this course. Students are expected to compare and contrast events and developments involving diverse peoples and civilizations in different regions of the world. They will examine examples of continuity and change, universality and particularity, and unity and diversity among various peoples and cultures from the past to the present. Students are also expected to practice and process skills of historical thinking and research and apply content knowledge to the practice of thinking and inquiry skills and processes. There will be continuous and pervasive interactions of processes and content, skills, and substance, in the teaching and learning of history.

- Fulfills the World History requirement for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
3	DUAL CREDITS		





1552 AP Comparative Government & Politics

Political Science provides for a study of the processes and goals of politics; processes of government; methods by which decisions are made; and the basis of decision making. The course goes beyond the study of governmental structure and functions to include an analysis of topics such as: (1) the nature of the American party system, (2) interest groups, (3) public opinion, (4) laws which affect students, (5) reasons laws are changed, (6) due process of law, (7) legal rights, and (8) legal responsibilities. Comparative studies of governmental systems in nations other than the United States may also be included.

- Required Prerequisites: none
- Counts as an elective for all diplomas
- Fulfills course requirement for General Diploma

HEALTH AND PHYSICAL ED.

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

3506 Health and Wellness Education

Health and Wellness, a course based on Indiana's Academic Standards for Health and Wellness and provides the basis to help students adopt and maintain healthy behaviors. Health education should contribute directly to a student's ability to successfully practice behaviors that protect and promote health and avoid or reduce health risks. Through a variety of instructional strategies, students practice the development of functional health information (essential concepts); determine personal values that support healthy behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course includes the application of priority areas in a planned, sequential, comprehensive health education curriculum. Priority areas include: promoting personal health and wellness, physical activity, and healthy eating; promoting safety and preventing unintentional injury and violence; promoting mental and emotional health, a tobacco- free lifestyle and an alcohol- and other drug-free lifestyle; and promoting human development and family health. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

- Fulfills the Health and Wellness requirement for all diploma types

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9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

3542 Physical Education I or Adaptive P.E. I

Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provides students with opportunities to actively participate in at least four of the following: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all of which are within the framework of the skills, knowledge, and confidence needed by the student for a lifetime of healthful physical activity and fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEPs and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11.

- Recommended Prerequisites: none
- Fulfills part of the Physical Education requirement for all diplomas
- Classes are co-educational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender.
- Adapted physical education must be offered, as needed, in the least restricted environment and must be based upon an individual assessment.
- As a designated laboratory course, 25% of course time must be spent in activity.

9	10	11	12
1/1	CREDIT/SEMESTER		
1	CREDITS MAX		
0	DUAL CREDITS		

3544 Physical Education II or Adaptive P.E. II

Physical Education II focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provides students with opportunities to actively participate in four of the following areas that were not included in Physical Education I: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all of which are within the framework of the skills, knowledge and confidence needed by the student for a lifetime of healthful physical activity and fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEPs and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11.

Summer Physical Education class begins in late May and lasts about four weeks - - - there is an additional fee for Summer Physical Education. Mr. Riggs will have a meeting in the spring to register.

- Required Prerequisites: Physical Education I
- Recommended Prerequisites: none
- Fulfills part of the Physical Education requirement for all diplomas
- Classes are co-educational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender.
- Adapted physical education must be offered, as needed, in the least-restricted environment and must be based upon an individual assessment.
- As a designated laboratory course, 25% of course time must be spent in activity.
- This class is NOT required for Class of 2029.

9	10	11	12
1/1	CREDIT/SEMESTER		
8	CREDITS MAX		
0	DUAL CREDITS		

3560 Elective Physical Education (Weight Lifting)

Elective Physical Education, a course based on selected standards from Indiana's Academic Standards for Physical Education, identifies what a student should know and be able to do as a result of a quality physical education program. The goal of a physically educated student is to maintain appropriate levels of cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life. Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in one or more specific areas. A minimum of two of the following activities should be included: team sports; dual sports activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance. This course includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. Students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEPs and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.). See 511 IAC 7-27-9, 7-27-11.

- Recommended Prerequisites: Physical Education I and II
- Counts as an elective requirement for all diplomas
- The nature of this course allows for successive semesters of instruction provided defined proficiencies and content standards are utilized.
- Classes are co-educational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender.

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
6	DUAL CREDITS		

5088 Agriculture Power, Structure and Technology

Agriculture Power, Structure and Technology is a two semester, lab intensive course in which students develop an understanding of basic principles of tool selection, operation, maintenance, and management of agricultural equipment in concert with the utilization of technology. Topics covered include: safety, problem-solving/troubleshooting, electricity, plumbing, concrete, carpentry, metal technology, engines, emerging technologies, leadership development, supervised agricultural experience, and career opportunities in the area of agriculture power, structure, and technology.

- Required Prerequisites: Principles of Agriculture
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
6	DUAL CREDITS		

7112 Agriculture Structures Fabrication and Design

Agricultural Structures Fabrication and Design focuses on metal work and agricultural structures. This course allows students to develop skills in welding and metalworking, construction, fabrication, machine components and design while incorporating the engineering design process. Students will also cover safety topics for each area while demonstrating appropriate health and safety standards.

- Required Prerequisites: Principles of Agriculture
- Recommended Prerequisites: Introduction to Agriculture, Food, and Natural Resources
- Counts as a directed elective or elective credits for all diplomas
- Counts as a quantitative reasoning course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7130 Principles of Construction Trades

Principles of Construction Trades provides students with the basic skills needed to continue in a construction trade field. Covered topics include an introduction to the types and uses for common hand and power tools, learning the types and basic terminology associated with construction drawings, and basic worksite safety. Additionally, students study the roles of individuals and companies within the construction industry. Emphasis is placed on the importance of mathematical and communication skills within the construction industry.

- Required Prerequisites: none
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7213F Principles of Automotive Services

Principles of Automotive Services gives students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive industry. Students will study the maintenance and light repair of automotive systems. Also, this course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics.

- Required Prerequisites: None
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
6	DUAL CREDITS		

4802 Introduction to Engineering and Design

Introduction to Engineering Design is a fundamental pre-engineering course where students become familiar with the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D design and modeling software to represent and communicate solutions. Students apply their knowledge through hands-on projects and document their work with the use of an engineering notebook. Students begin with completing structured activities and move to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Ethical issues related to professional practice and product development are also presented. This course aligns with the PLTW Introduction to Engineering Design curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

- Counts as a directed elective or elective for all diplomas
- NOTE: Schools that have agreed to be part of the Project Lead the Way network must follow all training and data collection requirements.

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

5534 Computer Integrated Manufacturing

Computer Integrated Manufacturing is a course that applies principles of rapid prototyping, robotics, and automation. This course builds upon the computer solid modeling skills developed in Introduction of Engineering Design. Students will use computer controlled rapid prototyping and CNC equipment to solve problems by constructing actual models of their three-dimensional designs. Students will also be introduced to the fundamentals of robotics and how this equipment is used in an automated manufacturing environment. Students will evaluate their design solutions using various techniques of analysis and make appropriate modifications before producing their prototypes. NOTE: This course aligns with the PLTW Computer Integrated Manufacturing curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

- Required Prerequisites: Introduction to Engineering Design
- Counts as a directed elective or elective for all diplomas
- Counts as a quantitative reasoning course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

5644 Principles Of Engineering

Principles of Engineering is a course that focuses on the process of applying engineering, technological, scientific and mathematical principles in the design, production, and operation of products, structures, and systems. This is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, and materials engineering. Students will engage in research, development, planning, design, production, and project management to simulate a career in engineering. The topics of ethics and the impacts of engineering decisions are also addressed. Classroom activities are organized to allow students to work in teams and use modern technological processes, computers, CAD software, and production systems in developing and presenting solutions to engineering problems. Schools may use the PLTW curriculum to meet the standards for this course. This course aligns with the PLTW Principles of Engineering curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

- Required Prerequisites: Introduction to Engineering Design
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

5650 Civil Engineering and Architecture

Civil Engineering and Architecture introduces students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related transportation, water resources, and environmental issues. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design. This course aligns with the PLTW Civil Engineering and Architecture curriculum. Use of the PLTW Curriculum may require additional training and membership in the PLTW network.

- Required Prerequisites: Introduction to Engineering Design
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- Counts as a quantitative reasoning course

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7108 Principles of Advanced Manufacturing

Principles of Advanced Manufacturing includes classroom and laboratory experiences, which are focused on industrial technology and manufacturing trends. Covered topics include safety and impact, manufacturing essentials, lean manufacturing, design principles, and careers in advanced manufacturing. Students participate in hands-on projects and team activities to learn necessary skills while using the latest industry technologies. Work-Based Learning experiences and industry partnerships are highly encouraged for an authentic industry experience.

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7110 Principles of Welding Technology

Computer Integrated Manufacturing is a course that applies principles of rapid prototyping, robotics, and automation. This course builds upon the computer solid modeling skills developed in Introduction of Engineering Design. Students will use computer controlled rapid prototyping and CNC equipment to solve problems by constructing actual models of their three-dimensional designs. Students will also be introduced to the fundamentals of robotics and how this equipment is used in an automated manufacturing environment. Students will evaluate their design solutions using various techniques of analysis and make appropriate modifications before producing their prototypes. NOTE: This course aligns with the PLTW Computer Integrated Manufacturing curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

- Required Prerequisites: None
- Recommended Prerequisites: Introduction to Advanced Manufacturing
- Counts as a Directed Elective or Elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7111 Shielded Metal Arc Welding

Shielded Metal Arc Welding provides students with exposure to both the theory behind and the practical application of the Shielded Metal Arc Welding process. Covered theory will include basic electricity, power sources, electrode selection, and all aspects pertaining to equipment operation and maintenance. Laboratory welds will be performed in basic weld joints with a variety of electrodes in the flat, horizontal and vertical positions. Emphasis will be placed on developing the basic skills necessary to comply with AWS industry standards.

- Required Prerequisites: Principles of Welding Technology
- Recommended Prerequisites: None
- Counts as a Directed Elective or Elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7101 Gas Welding Processes

Gas Welding Processes is designed to cover the operation of Gas Metal Arc Welding (MIG) equipment. This will include all settings, adjustments and maintenance needed to weld with a wire feed system. Instruction on both short-arc and spray-arc transfer methods will be covered. Tee, lap, and open groove joints will be done in all positions with solid, flux core, and aluminum wire. Test plates will be made for progress evaluation. Schools may choose to offer the course as a comprehensive MIG Welding course or a combination of introductory MIG and TIG Welding operations.

- Required Prerequisites: Principles of Welding Technology
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas
- Schools may choose to cover both introductory MIG and TIG Welding. This configuration is available for dual credit through ITCC.

EDUCATION & TEACHING

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

7161 Principles of Teaching

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

- Required Prerequisites: none
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

7162 Teaching and Learning

Teaching and Learning provides students the opportunity to apply many of the concepts that they have learned throughout the Education Professions pathway. In addition to a focus on best practices, this course will provide an introduction to the role that technology plays in the modern classroom. Through hands-on experience with educational software, utility packages, and commonly used microcomputer hardware, students will analyze ways to integrate technology as a tool for instruction, evaluation, and management.

- Required Prerequisites: Principles of Teaching
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
3	DUAL CREDITS		

7157 Child and Adolescent Development

Child and Adolescent Development examines the physical, social, emotional, cognitive, and moral development of the child from birth through adolescence with a focus on the middle years through adolescence. Basic theories of child development, biological and environmental foundations of development, and the study of children through observation and interviewing techniques are explored. The influence of parents, peers, the school environment, culture, and the media are discussed. An observation experience up to 20 hours may be required for completion of this course. This course has been approved to be offered for dual credit. Students pursuing this course for dual credit are still required to meet the 270 Indiana Department of Education High School Course Titles and Descriptions: 2024-2025 minimum prerequisites for the course and pass the course with a C or better in order for dual credit to be awarded.

- Required Prerequisites: Principles of Teaching
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7176F Principles of Human Services

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

•Required Prerequisites: none

- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas
- This class is taught at Forest Park

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

0520 Peer Tutoring (1 period per day)

Peer Tutoring provides high school students with an organized exploratory experience to assist students in kindergarten through grade twelve (K-12), through a helping relationship, with their studies and personal growth and development. The course provides opportunities for the students taking the course to develop a basic understanding of individual differences and to explore career options in related fields. Peer Tutoring experiences are preplanned by the teacher trainer and any cooperating teacher under whom the tutoring is to be provided. It must be conducted under the supervision of a licensed teacher. The course provides a balance of class work relating to the development of and use of: (1) listening skills, (2) communication skills, (3) facilitation skills, (4) decision-making skills, and (5) teaching strategies.

- Recommended Prerequisites: none
- Counts as an elective for all diploma
- Students are placed in a junior high resource lab
- Students must have a 3.25 GPA

9	10	11	12
1/1	CREDIT/SEMESTER		
6	CREDITS MAX		
?	DUAL CREDITS		

7267 Education Professions Capstone at FP

The Education Professions Capstone provides an extended opportunity for field experience to further apply concepts that have been presented throughout the pathway. Students will also have the opportunity to explore the topics of exceptional child and literacy development through children's literature. Students will gain a deeper understanding of inclusive teaching techniques along with policies, theories, and laws related to special education. Students interested in pursuing a career in Elementary Education are encouraged to also study the benefits of using children's literature in the classroom. This course may be further developed to include specific content for students interested in pursuing a career in secondary education. The course should include a significant classroom observation and assisting experience.

- Required Prerequisites: Principles of Teaching; Child and Adolescent Development, Teaching and Learning
- Recommended Prerequisites: None
- 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

7193 Principles of Criminal Justice @ FP - 1 Period

Principles of Criminal Justice covers the purposes, functions, and history of the three primary parts of the criminal justice system: law enforcement, courts, and corrections. This course further explores the interrelationships and responsibilities of these three primary elements of the criminal justice system.

- Recommended Grade(s): 9, 10, 11
- Required Prerequisites: None
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
0	DUAL CREDITS		

3524 Introduction to Public Service @ FP - 1 Period

Introduction to Public Service offers a comprehensive overview of public service, focusing on both military and non-military avenues. Students will explore the multifaceted benefits of military service, including personal and professional development, leadership skills, and community impact. A historical overview of U.S. military history and the history of non-military public service will provide context for the evolution of public service and its significance in shaping national identity. Key components of this course include an introduction to military customs and courtesies, instruction on ethical behavior and decision-making, development of leadership and analytical reasoning skills, an introduction to career paths (and their entrance requirements) available within public service, incentives for public service, and the significance of public service.

- Recommended Grade(s): 9, 10, 11
- Required Prerequisites: None
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
12	DUAL CREDITS		

Automation and Robotics (Program at VUJ) - 3 periods

7108 Principles of Advanced Manufacturing
Principles of Advanced Manufacturing includes classroom and laboratory experiences, which are focused on industrial technology and manufacturing trends. Covered topics include safety and impact, manufacturing essentials, lean manufacturing, design principles, and careers in advanced manufacturing. Students participate in hands-on projects and team activities to learn necessary skills while using the latest industry technologies. Work-based learning experiences and industry partnerships are highly encouraged for an authentic industry experience.
Required Prerequisites: None
Recommended Prerequisites: Introduction to Advanced Manufacturing
2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
Counts as a directed elective or elective for all diplomas

7103 Advanced Manufacturing Technology
Advanced Manufacturing Technology introduces students to a variety of manufacturing processes and procedures that are used in real-world manufacturing environments. The course covers key electrical principles, (including current, voltage, resistance, power, inductance, capacitance, and transformers), as well as the basic principles of mechanical and fluid power. Additional course topics include, types of production, production materials, machining and tooling, manufacturing planning, production control, and product distribution. Students will be expected to understand the product life cycle from conception through distribution. This course also focuses on technologies used in production processes such as basic power systems, energy transfer systems, and machine operation. The course utilizes a combination of lecture, lab, online simulation, and programming to prepare students for Certified Production Technician Testing through Manufacturing Skill Standards Council (MSSC).
Required Prerequisites: Principles of Advanced Manufacturing
Recommended Prerequisites: None
2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
Counts as a directed elective or elective for all diplomas

7106 Mechatronics Systems
Mechatronics Systems covers the basic electrical and mechanical components and functions of a complex mechatronics system. Through a systems-based approach, students learn about the mechanical components that lead and support the flow of energy through a mechanical system. Emphasis is placed on the development of strategies for increasing efficiency and reducing wear and tear. After gaining an understanding of the complete system, students learn and apply troubleshooting strategies to identify, localize, and (where possible) correct malfunctions. Preventive maintenance of mechanical elements and electrical drives as well as safety issues within the system are also discussed.
Required Prerequisites: Principles of Advanced Manufacturing; Advanced Manufacturing Technology
Recommended Prerequisites: None
2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
Counts as a directed elective or elective for all diplomas

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
11	DUAL CREDITS		

Precision Machining (Program at Pike Central) - 4 Periods

7109 Principles of Precision Machining
Principles of Precision Machining provides students with a basic understanding of the processes used to produce industrial goods. Classroom instruction and labs will focus on shop safety, measurement, layout, blueprint reading, shop math, metallurgy, the use of basic hand tools, milling, turning, grinding, and sawing operations. This course prepares the student for the optional National Institute for Metalworking Skills (NIMS) Measurement, Materials, & Safety Certification, which may be required for college dual credit.

- Required Prerequisites: None
- Recommended Prerequisites: Introduction to Advanced Manufacturing
- 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

7105 Precision Machining Fundamentals
Precision Machining Fundamentals will build a foundation in conventional milling and turning. Students will be instructed in the classroom on topics of shop safety, theory, industrial terminology, and calculations. Lab work will consist of the setup and operation of vertical and/or horizontal milling machines and engine lathes. This course prepares the student for the optional National Institute for Metalworking Skills (NIMS) Milling I Certification, which may be required for college dual credit.

- Required Prerequisites: Principles of Precision Machining
- Recommended Prerequisites: None
- 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas
- Counts as a quantitative reasoning course

7107 Advanced Precision Machining
Advanced Precision Machining builds upon the Turning and Milling processes learned in Precision Machining Fundamentals and builds a foundation in abrasive-process machines. Students will be instructed in the classroom on topics of shop safety, theory, industrial terminology, and calculations associated with abrasives. Lab work will consist of the setup and operation of bench grinders and surface grinders. Additionally students will be introduced to Computerized Numeric Controlled (CNC) setup, operations and programming. This course prepares the student for the optional National Institute for Metalworking Skills (NIMS) Grinding I Certification, which may be required for college dual credit.

- Required Prerequisites: Principles of Precision Machining; Precision Machining Fundamentals Recommended Prerequisites: None
- 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas
- Counts as a quantitative reasoning course

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
6	DUAL CREDITS		

Precision Machining Capstone (Program at Pike Central) - 3 Periods

7219 Precision Machining Capstone

The Precision Machining Capstone is an in-depth study of skills learned in Precision Machining I, with a stronger focus on CNC setup/operation/programming. Students will be introduced to two axis CNC lathe programming and three axis CNC milling machine programming. Develops the theory of programming in the classroom with applications of the program accomplished on industry-type machines. Studies terminology of coordinates, cutter paths, angle cutting, and linear and circular interpolation. Classroom activities will concentrate on precision set-up and inspection work, as well as machine shop calculations. Students will develop skills in advanced machining and measuring parts involving tighter tolerances and more complex geometry. Throughout the course there will be a continued focus on workplace safety.

- Required Prerequisites: Principles of Precision Machining; Precision Machining Fundamentals; Advanced Precision Machining
- Recommended Prerequisites: None
- Counts as a Directed Elective or Elective for all diplomas
- Counts as a quantitative reasoning course

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
13	DUAL CREDITS		

Construction Trades - Carpentry at VUJ - 3 periods

7130 Principles of Construction Trades
Principles of Construction Trades provides students with the basic skills needed to continue in a construction trade field. Covered topics include an introduction to the types and uses for common hand and power tools, learning the types and basic terminology associated with construction drawings, and basic worksite safety. Additionally, students study the roles of individuals and companies within the construction industry. Emphasis is placed on the importance of mathematical and communication skills within the construction industry.

7123 Construction Trades: General Carpentry
Construction Trades: General Carpentry builds upon the skills learned in the Principles of Construction Trades and examines the basics of framing. Students learn the procedures for laying out and constructing floor systems, wall systems, and ceiling joists. Students also spend time learning the 226 Indiana Department of Education High School Course Titles and Descriptions: 2024-2025 principles of roof framing, and basic stair layout. Additionally, students will be introduced to building envelope systems.

7122 Construction Trades: Framing and Finishing
Construction Trades: Framing and Finishing prepares students with advanced framing skills along with interior and exterior finishing techniques. Covered topics include roofing applications, thermal and moisture protection, exterior finishing, cold-formed steel framing, drywall installation and finishing, doors and door hardware, suspended ceilings, window, door, floor, and ceiling trim, and cabinet installation.
Recommended Prerequisites: None

- Counts as a directed elective or elective for all diplomas

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
8	DUAL CREDITS		

7242 Construction Trades Capstone at VUJ - 3 periods

The Construction Trades Capstone covers the basics of electricity and working with concrete. Electrical topics include the National Electric Code, electrical safety, electrical circuits, basic electrical construction drawings, and residential electrical services. Students may also gain an understanding of concrete properties, foundations, slab-on-grades, and vertical and horizontal formwork. The course prepares students for the NCCER Carpentry Forms Level 3 and Electrical Level 1 Certificates.
Required Prerequisites: Principles of Construction Trades; Construction Trades: General Carpentry; and Construction Trades: Framing and Finishing
Recommended Prerequisites: None
Counts as a directed elective or elective for all diplomas
Counts as a quantitative reasoning course

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
9	DUAL CREDITS		

Aviation Managment at Huntingburg Airport - 3 Periods

7214 Principles of Aviation Management
Principles of Aviation Management provides students the opportunity to develop an understanding of various aspects of the aviation industry to include general regulations and laws associated with the field. Included is an overview of the aviation field and all employment opportunities. Areas of study include aerodynamics, aircraft systems, performance, weight and balance, physiology, regulations, cross country planning, weather, and decision-making skills. Students will also learn of the departments associated with an airport and their impact on the industry as a whole.

7217 Private Pilot Theory
In Private Pilot Theory students will receive ground school knowledge required for certification as a private pilot with an airplane single engine land rating. Areas of study include aerodynamics, aircraft systems, performance, weight and balance, physiology, regulations, cross country planning, weather, and decision-making skills.

7207 Aviation Safety and Operations
Aviation Safety and Operations provides an overview of general aviation operations, including the operation and management of the Fixed Base Operation (FBO). It introduces the challenges and complexity of aviation security faced by aviation professionals across the industry and traces the evolution of current security approaches and explores technologies and processes targeting threat mitigation and improved operational efficiency. Emphasis will be placed on financial and operational considerations as well as on regulatory requirements and constraints.

- Required Prerequisites: None
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
9	DUAL CREDITS		

7378 Aviation Maintenance Capstone

The aviation maintenance capstone will explore knowledge and risks elements associated with the FAA airframe section. Topics of discussion will be non-metallic structures, landing gear, flight controls, and inspection practices. This course will prepare students for completion of the FAA airframe mechanic certificate. This course will include lab elements that allow students to build necessary skills associated with the above understandings of FAA Maintenance General Section subjects.

- Required Prerequisites: Principles of Aviation Maintenance, Aviation Maintenance Fundamentals, Advanced Aviation Maintenance
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
12	DUAL CREDITS		

Criminal Justice - VUJ - 3 Periods

7193 Principles of Criminal Justice
Principles of Criminal Justice covers the purposes, functions, and history of the three primary parts of the criminal justice system: law enforcement, courts, and corrections. This course further explores the interrelationships and responsibilities of these three primary elements of the criminal justice system.

7191 Law Enforcement Fundamentals
Law Enforcement Fundamentals critically examines the history and nature of the major theoretical perspectives in criminology and the theories found within those perspectives. Students analyze the research support for such theories and perspectives and the connections between theory and criminal justice system practice within all the major components of the criminal justice system. The course will allow students to demonstrate the application of specific theories to explain violent and non-violent criminal behavior on both the micro and macro levels of analysis. Additionally, this course will introduce fundamental law enforcement operations and organization. This includes the evolution of law enforcement at federal, state, and local levels.

7188 Corrections and Cultural Awareness
Corrections and Cultural Awareness emphasizes the study of American criminal justice problems and systems in historical and cultural perspectives, as well as discussing social and public policy factors affecting crime. Multidisciplinary and multicultural perspectives are stressed. Additionally, this course takes a further examination of the American correctional system and the study of administration of local, state, and federal correctional agencies. The examination also includes the history and development of correctional policies and practices, criminal sentencing, jails, prisons, alternative sentencing, prisoner rights, rehabilitation, and community corrections including probation and parole. Current philosophies of corrections and the debates surrounding the roles and effectiveness of criminal sentences, institutional procedures, technological developments, and special populations are discussed.

- Required Prerequisites: None
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
12	DUAL CREDITS		

Emergency Medical technician at VUJ - 3 Periods

7168 Principles of Healthcare
Principles of Healthcare content examines skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.

5274 Medical Terminology
Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including appropriate and accurate meaning, spelling, and pronunciation of medical terms, abbreviations, signs, and symbols.

7165 Emergency Medical Tech
The Emergency Medical Technician (EMT) course is based on the training program developed by the Department of Transportation and the Emergency Medical Services Commission of Indiana. It covers theories, techniques, and operational aspects of pre-hospital emergency care within the scope and responsibility of the emergency medical technician (EMT). It requires laboratory practice and clinical observation in a hospital emergency room and ambulance. Successful completion of the course meets national requirements to test for certification as an NREMT.

- Recommended Grade(s): 11, 12
- Required Prerequisites: None
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
12	DUAL CREDITS		

Social and Community Services at VUJ - 3 Periods

7176 Principles of Human Services
Principles of Human Services explores the history of human services, career opportunities, and the role of the human service worker. Focuses on target populations and community agencies designed to meet the needs of various populations. The course includes a required job shadowing project in a Human Services setting (a suggested four-hour minimum to meet Ivy Tech requirements). This course will also encourage cultural awareness and appreciation of diversity. Focuses on cultural variations in attitudes, values, language, gestures, and customs. Includes information about major racial and ethnic groups in the United States.

7276 Fundamentals of Human Services
Fundamentals of Human Services examines key elements of effective delivery of human services. Topics of discussion include personal values, helping relationships, the impact of diversity, theories of helping, communication, problem-solving processes, crisis situations, abuse, and professional ethics. This course also provides training for identifying characteristics of a crisis and basic crisis intervention skills. Students will evaluate their own personal strengths and limitations and discuss the importance of professional development for the human and services social worker.

7278 Community Health Worker
Community Health Worker explores care coordination, case management, coaching, cultural competencies, Human Services Code of Ethics, professional development, and employment opportunities for community health workers and case managers. Examines background knowledge of the field of intellectual and developmental disabilities and issues pertaining to community social services. Presents practical and useful information regarding service availability and community resources for individuals and families living with disabilities.

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
6	DUAL CREDITS		

Automotive Services Program at Southridge - 4 Periods

7213 Principles of Automotive Services
Principles of Automotive Services gives students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive industry. Students will study the maintenance and light repair of automotive systems. Also, this course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics.

7205 Brake Systems
Brake Systems teaches theory, service, and repair of automotive braking systems. This course provides an overview of various mechanical brake systems used on today's automobiles. This course will emphasize professional diagnosis and repair methods for brake systems.

7212 Steering and Suspensions
Steering and Suspensions will cover driveline theory and in-car service procedures. Theory and overhaul procedures related to the driveshaft and axle assemblies for front and rear wheel drive vehicles are included as well. Additionally, the course teaches theory, service and repair of automotive steering, and suspension systems. It provides an overview of various mechanical, power, and electrical steering and suspension systems used on today's automobiles and will emphasize professional diagnosis and repair methods for steering and suspension systems.

- Required Prerequisites: None
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas
- Schools partnering with Vincennes University must offer the program of study as part of a 2-3 period block

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
6	DUAL CREDITS		

7375 Automotive Services Capstone at Southridge - 3 Periods

Automotive Service Capstone further explores important skills and competencies within the Automotive Service Technology Pathway. Students will be exposed to an in-depth study of vehicle electrical systems. The course will cover the fundamentals of electricity and automotive electronics in various automotive systems. Students will understand other topics such as engine repair, climate control, and driveline service. Additionally, Co-Op and Internship opportunities will be available for students.

- Required Prerequisites: Principles of Automotive Services; Brake Systems; Steering and Suspensions
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
1/1	CREDIT/SEMESTER		
2	CREDITS MAX		
10	DUAL CREDITS		

CNA at VUJ - 3 Periods

7168 Principles of Healthcare
Principles of Healthcare content examines skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.

7166 Healthcare Specialist: CNA
The Healthcare Specialist: CNA course prepares individuals desiring to work as nursing assistants with the knowledge, skills, and attitudes essential for providing basic care in extended care facilities, hospitals, and home health agencies under the direction of licensed nurses. The course will introduce students to the disease process and aspects of caring for a long-term care resident with dementia. Individuals who successfully complete this course are eligible to apply to sit for the Indiana State Department of Health (ISDH) certification exam for nursing assistants. This course meets the minimum standards set forth by the ISDH for Certified Nursing Assistant (CNA) training and for health care workers in long-term care facilities.

- Required Prerequisites: None
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
2/2	CREDIT/SEMESTER		
6	CREDITS MAX		
2	DUAL CREDITS		

HOSA at VUJ - 3 Periods

Consists of the Following Classes:

7168 Principles of Healthcare
Principles of Healthcare content examines skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.

5286 Health Science Education: Special Topics
Health Science Education: Special Topics is an extended laboratory experience designed to address the advancement and specialization of healthcare careers through the provision of a specialized course for a specific healthcare workforce need in the school's region. Practicum is at a qualified clinical site, and is designed to give the student the opportunity to practice technical skills previously learned in the classroom while working under the direction of an appropriately licensed healthcare professional. Throughout the course students will focus on learning about the healthcare system and employment opportunities at a variety of entry levels, an overview of the healthcare delivery systems, healthcare teams, and legal and ethical considerations, and obtaining the knowledge, skills, and attitudes essential for providing basic care in a variety of healthcare settings. Additionally, students will build their essential job related skills for providing basic care appropriate for their healthcare setting and audience. Course standards and curriculum must be tailored to the specific healthcare profession, preparing students to advance in this career field, and where applicable, provide students with opportunities for certification or dual credit. This course also provides students with the knowledge, attitudes, and skills needed to make the transition from high school to postsecondary opportunities, and to work in a variety of health science careers. Students are encouraged to focus on self-analysis to aid in their career selection. Job seeking and job maintenance skills, personal management skills, and completion of the application process for admission into a postsecondary program are also areas of focus. Participation in HOSA encourages the development of leadership, communication and career related skills, and opportunities for community service.

- Recommended Prerequisites: CTE courses that would help prepare the student for success in this area.
- Counts as a directed elective or elective for all diplomas.

Optional Class: 5274 Medical Terminology
Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including appropriate and accurate meaning, spelling, and pronunciation of medical terms, abbreviations, signs, and symbols.

- Required Prerequisites: Principles of Healthcare or Principles of Pharmacy Tech
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
3/3	CREDIT/SEMESTER		
6	CREDITS MAX		
9	DUAL CREDITS		

Fire Science at Pike Central - 3 Periods

7195 Principles of Fire and Rescue
Principles of Fire and Rescue introduces students to the various roles that firefighters and emergency services workers play to protect the public from the loss of life and property. They are frequently the first emergency personnel at the scene of a traffic accident or medical emergency and may be called upon to put out a fire, treat injuries or perform other vital functions. This course will introduce students to the history, terminology, and basic firefighting skills needed for a beginning firefighter. Additionally, students will develop a career plan for a career in public safety including areas of Fire Science, Homeland Security, and Emergency Medical Services.

7189 Fire Fighting Fundamentals
Fire Fighting Fundamentals is for those students who are seeking certification as a firefighter. This course will prepare students for the Hazardous Materials Awareness and Operations certifications and will introduce students to NFPA 1001 which serves as the standard of measurement for all firefighters in North America. Students will learn the knowledge and hands-on practical skills for managing and controlling a hazardous materials incident required for the certifications. Furthermore, students will study how a fire behaves and will learn the basic firefighting skills needed to extinguish a fire while protecting themselves and other firefighters.

7186 Advanced Fire Fighting
Advanced Fire Fighting expands upon the principles and techniques of firefighting learned in Fire Fighting Fundamentals. Students will study fire protection systems, firefighter safety, and survival. Students will also learn what fire is, the chemical hazards of combustion, and related by-products of fire. Additionally, students will gain a better understanding of fire department organization, administration, operations, and basic strategies and tactics.

- Required Prerequisites: None
- Recommended Prerequisites: None
- Counts as a directed elective or elective for all diplomas

9	10	11	12
2,3/2,3	CREDIT/SEMESTER		
6	CREDITS MAX		
0	DUAL CREDITS		

6162 Cooperative Education - 2 or 3 Periods

Cooperative Education is an approach to employment training that spans all CTE program areas through school-based instruction and on the job training. Time allocations are a minimum of fifteen hours per week of on-the-job training and approximately five hours per week of school-based instruction, focused on employ-ability skills development. Additionally, all state and federal laws and regulations related to student employment and cooperative education must be followed.

- Recommended Prerequisites: Preparing for College and Careers; two credits in a CTE course
- Counts as a directed elective or elective for all diplomas
- Course is funded at a flat rate of $150; No longer counts toward concentrator status
- Must be earning General diploma beginning 2025-26 school year.

9	10	11	12
2/2	CREDIT/SEMESTER		
6	CREDITS MAX		
0	DUAL CREDITS		

5974 Work-Based Learning Capstone - 2 Periods

Work-Based Learning Capstone is a stand-alone course that prepares students for college and/or a career. Work-Based Learning Capstone experiences occur in workplaces and involve an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement and training plan is developed by the student, teacher, and workplace mentor/supervisor to guide the student's work-based experiences and assist in evaluating achievement and performance. Related Instruction shall be organized and planned around the activities associated with the student's individual job and career objectives in a pathway and shall be taught either on-the-job or in a classroom setting during the same semester the student is participating in the work-based experience. For a student to become employable, the related instruction should cover: (a) employability skills, and (b) specific occupational competencies.

- Required Prerequisites: Complete at least one advanced career and technical education course from a program or program of study. Worksite placement must align to the student pathway Recommended Prerequisites: None
- 1 semester course, 1-3 credits per semester, 6 credits maximum
- A minimum of 75 hours of workplace and classroom activities are required for one credit; 150 hours are required for the two credits. Of the 75 or 150 hours, 18 to 36 hours (at least 1 hour a week or the equivalent over a semester or year) must be spent in related instruction.
- Counts as a directed elective or elective for all diplomas

DESIGNED AND MADE BY:

MR. GREULICH'S MARKETING CLASS