South Central Course Description Guide

for the

2026-27 School Year

A Note from The Guidance Department

The Guidance Department of South Central Jr. – Sr. High School is pleased to present the 2026-27 "Course Description Guide". This guide can be of invaluable assistance to you in planning your academic course of study for next year and for the rest of your high school career. Please take the time to read through the guide carefully, noting specific course descriptions and recommended background/grade levels. The departments of study are listed alphabetically.

Please note that significant diploma requirement changes have been implemented by the state Department of Education for the Class of 2029 and younger.

We encourage you and your parents/guardians to discuss your course selections thoroughly. Parents/guardians are always encouraged to take an active role in helping their children select the right courses that match their goals and aspirations. Parents/guardians should feel welcome to contact the Guidance Department at (219) 767-2266 should any questions arise regarding the different curriculums, their child's placement in courses, their student's Graduation Pathway Plan (for those students graduating in 2027 or 2028 or those younger students going for the Base Diploma only), or their "4-year plan" of courses they need/want to take.

It is our hope that this guide will help you and your parents understand the courses we offer at South Central High School.

Tina Randall - Guidance Director

Athletic Eligibility

The academic eligibility requirements as set forth by the Indiana High School Athletic Association (IHSAA) states that in order to be academically eligible to participate in high school athletics, a student must pass five (5) credit classes, in the previous grading period. If the previous grading period ends at a semester break instead of a nine-week break, the overall semester grade is the grade that is used to calculate eligibility. If not, the nine-week grade is used. Students need to also be actively enrolled in at least 5 credited classes at all times.
Each student must pass five (5) credit classes from the previous grading period to be eligible. They must also be currently enrolled in five (5) credit classes. Note that students may only count one class taken in the Virtual Lab for this requirement during any given grading period.

Schedule Changes
As a general rule, schedules may not be changed after class registration. Students are provided ample time during the registration process to make course selections. Also, classes are scheduled based on student course selections. Teachers and classrooms are committed to these student selections.
Ordinarily exceptions to this policy will be for one of the following reasons:
1. To meet immediate graduation requirements
2. Schedule conflicts or scheduling errors
3. An injury which makes it impossible for the student to take or continue in a class
4. A recommendation by a teacher for a change because the student is misplaced
Ordinarily, this involves a student who is trying, but is unable to do the work in a course and is dropped back to a less difficult course within the same department.

Graduation Requirements

All requirements must be completed before a student may participate in the Commencement Program and receive a diploma.
Whenever a student fails a required course, the failed class should be repeated as soon as possible.

Class of 2028 and Older

Students may take up to 7 classes for credit each semester. The completion of Core 40 is an Indiana graduation requirement for students in the Class of 2028 and older. Indiana's Core 40 curriculum provides the academic foundation all students need to succeed in college and the workforce.
Note - Schools may have additional local graduation requirements. The minimum number of credits to graduate from South Central High School for the Class of 2028 and older is **40**.

To graduate with less than CORE 40 (and get the Regular/General Diploma), the following formal opt-out process must be completed:
1) The student, the student's parent/guardian, and the student's counselor conference to discuss the student's progress.
2) The student's career and course plan is reviewed.
3) The student's parent/guardian determines whether the student will achieve greater educational benefits by completing the general curriculum or the CORE 40 curriculum.
If the decision is made to opt-out of CORE 40, the student is required to complete the course and credit requirements for a general diploma and the career/academic sequence the student will pursue is determined.

Class of 2029 and Younger

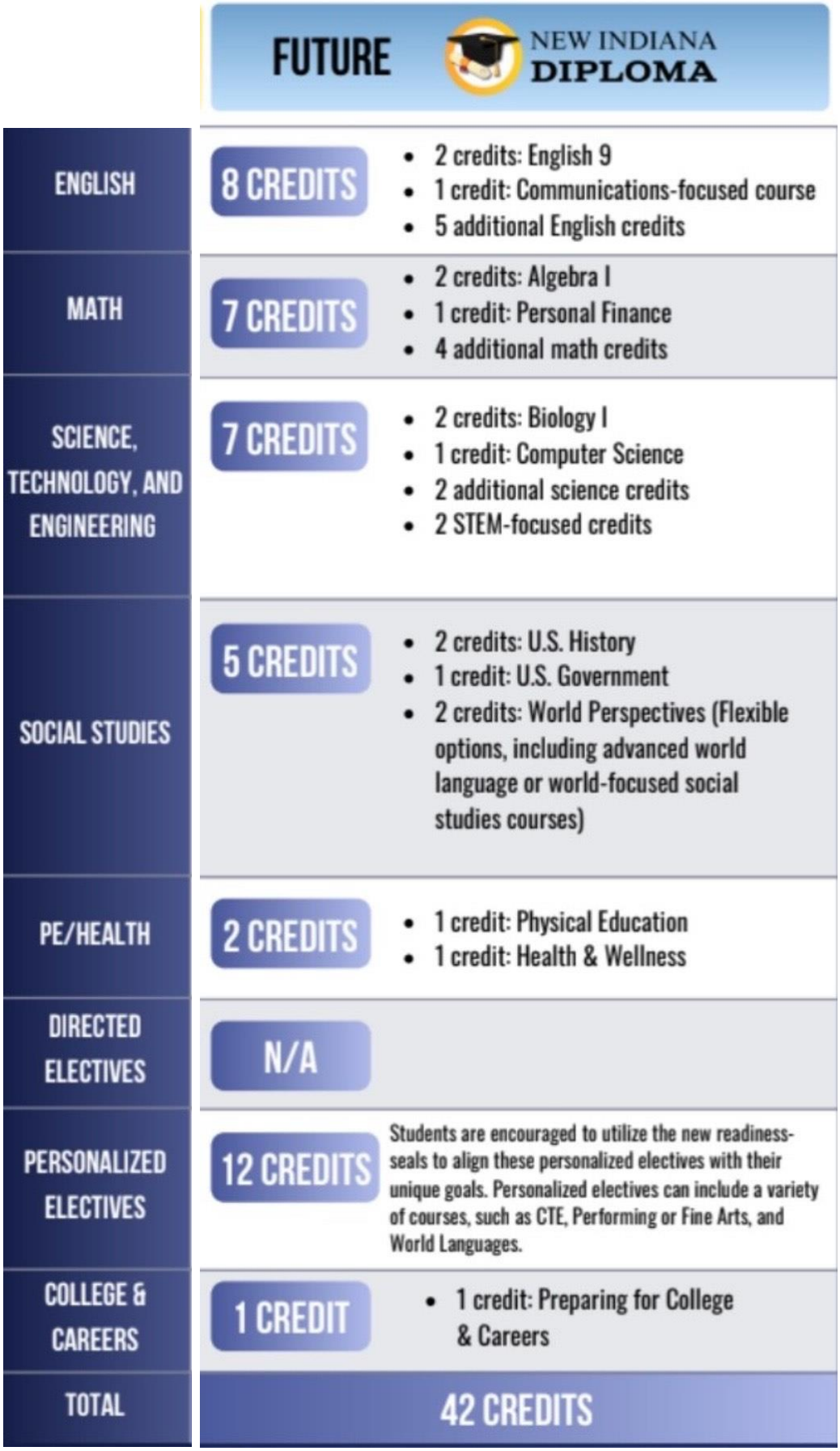
Students may take up to 7 classes for credit each semester. The completion of the (New) Indiana Diploma, with the option to earn Honors Seal or Honors Seal Plus Designations is the graduation requirement for students in the Class of 2029 and younger. The minimum number of credits to graduate from South Central High School for the Class of 2029 and older is **42**.

Diploma Requirements for Class of 2028 and Older

General (40 credits)	Core 40 (40 credits)	AHD (47 credits)	THD (47 credits)
English 4 years	English 4 years	English 4 years	English 4 years
Algebra and one more year *All students must earn two math or quantitative reasoning credits during the student's junior or senior year. Quantitative Reasoning courses do not count as math credits.	Algebra, Geometry, Algebra II *All students must earn six (6) math credits after entering high school. *All students must be enrolled in a math or quantitative reasoning course each year the student is enrolled in high school.	Algebra, Geometry, Algebra II, 2 additional Core 40 Math credits– note @ SC MUST have Math Senior year *All students must earn at least six (6) of the requisite eight (8) math credits after entering high school. *All students must be enrolled in a math or quantitative reasoning course each year the student is enrolled in high school.	Algebra, Geometry, Algebra II (recommend Pre Calc/Trig) *All students must earn six (6) math credits after entering high school. *All students must be enrolled in a math or quantitative reasoning course each year the student is enrolled in high school.
Biology and one more year of any AS LONG AS 1 CREDIT IS A PHYSICAL SCIENCE	Biology, ICP or Chem Any other Core 40	Biology ICP or Chem Any other Core 40	Biology, ICP or Chem Any other Core 40
2 sem. PE 1 sem. Health	2 sem. PE 1 sem. Health	2 sem. PE 1 sem. Health	2 sem. PE 1 sem. Health
2 US History 1 Gov. and 1 additional social studies class	2 US History 1 Gov, 1 Econ, 2 Geography or W. History	2 US History, 1 Gov, 1 Econ, 2 Geography or W. History	2 US History, 1 Gov., 1 Econ, 2 Geography or W. History
Personal Finance Preparing for College and Careers	Personal Finance Preparing for College and Careers	Personal Finance Preparing for College and Careers	Personal Finance Preparing for College and Careers
College and Career Pathway 6 Credits (selecting courses in a deliberate manner to take full advantage of career exploration and preparation opportunities) Flex Credits - 5 Credits To earn 5 Flex Credits, a student must complete one of the following: *Additional courses to extend the college and career pathway *Courses involving workplace learning *High school/college dual credit courses *Additional courses in: Language Arts Social Studies Mathematics Science World Language Fine Arts Electives 6 Credits (Specifies the number of electives required by the state)	Directed Electives - 5 Credits (World Language, Fine Arts, and Career/Technical) Electives - 6 Credits All students are recommended to complete a College and Career Pathway (selecting electives in a deliberate manner) to take full advantage of career exploration and preparation opportunities.	*6-8 credits foreign language (3 years in a single language or 2 years in two different languages) Complete one of the following: 1) Four (4) credits in two (2) or more Advanced Placement Courses with corresponding exams 2) Two (2) dual high school and college credit courses resulting in six (6) transcripted college credits 3) Two (2) of the following requirements: a) a minimum of three (3) transcripted college credits b) Two (2) credits of Advanced Placement Courses with corresponding exams 4) The SAT with a composite score of 1250 or higher and a minimum score of 560 on math and 590 on the evidence based reading and writing section. 5) The ACT with a composite score of 26 or higher and completion of the written section *All grades C- or better *Overall GPA at least 3.0	Students must also complete the following: 1)Earn a minimum of six (6) credits in the college and career preparation courses in a state-approved College & Career Pathway and earn one (1) of the following: A) Pathway designated industry-based certification or credential; or B) Pathway designated dual high school and college credit courses resulting in six (6) transcripted college credits 2) Complete one (1) of the following: A) Any of the options listed for the Core 40 with Academic Honors Diploma (1-5) B) Earn the following minimum scores on WorkKeys: Workplace Documents, Level 6 Applied Mathematics, Level 6; and Graphic Literacy, Level 5 C) Earn the following minimum score on Accuplacer: Writing , 80; Reading, 90; and Math, 75 D) Earn the following minimum score on Compass: Algebra, 66; Writing, 70; and Reading, 80 *All grades C- or better *Overall GPA at least 3.0

- Note – students may not count the same dual credit courses for both AHD and THD requirements.

Diploma Requirements for Class of 2029 and Younger



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.

	ENROLLMENT	EMPLOYMENT	ENLISTMENT & SERVICE

HONORS SEAL	• 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
		• 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
			• 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 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
			• 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

*Note: the credential of value levels are currently being determined by business and industry.

Additional Graduation Requirements

Beginning with students in the 2023 Cohort, the graduation requirements have changed to include the three parts of the Graduation Pathways. The Graduation Pathways consist of students completing at least one requirement in each of the three boxes listed on page 8 for all students. This is absolutely REQUIRED for all students in Cohorts 2027 and 2028. It is also REQUIRED for students in Cohort 2029 and younger, unless they earn an Honors Seal/Seal Plus.

For school accountability purposes, these students will still take the SAT for standardized test data during their Junior year, with those scores being one possible way for students to meet the "Box 3" requirements of the Graduation Pathways.

Students may only use ASVAB for their "Box 3" if they are actually intending to enlist in the Armed Services.

ICC at South Central

Students have a must complete a minimum number of college credits in each area to qualify. Each category also has a maximum number of credits allowed. The total number of credits for ICC must be 30.

Written Communication (3-6 Credits)

Honors English 12 (English Composition) W131 - 3 Credits (IU ACP)

Speaking & Listening (3-6 Credits)

Adv Speech - S121 - 3 Credits (IU ACP)

Quantitative Reasoning (3-15 Credits)

Quantitative Reasoning - MATH 123 - 3 Credits

Pre Calculus - MATH 136 - 3 Credits

Trigonometry - MATH 137 - 3 Credits

AP Calculus AB (score of 3,4, or 5) - 4 Credits

AP Statistics (score of 3, 4, or 5) - 3 Credits

Scientific Ways of Knowing (3-15 Credits)

AP Biology (score of 3) - 3 Credits; (score of 4) - 5 Credits; (score of 5) - 10 Credits

Social & Behavioral Ways of Knowing (3-15 Credits)

AP US History (score of 3, 4, or 5) - 6 Credits

Humanistic Ways of Knowing (3-15 Credits)

ADV ENG CC (Literature) L202 - 3 Credits (IU ACP)

Dual Credit classes are in partnership with Ivy Tech unless otherwise noted.

South Central Jr. – Sr. High School Graduation Pathway Checklist

Student Name: _____ **Cohort:** 2027 & 2028

1 High School Diploma	Meet the State of Indiana requirements for a high school diploma: ☐General ☐Core 40 ☐Academic Honors ☐Technical Honors
2 Learn and Demonstrate Employability Skills (Students must complete at least one of the following:) See reverse for more information.	☐Project-Based Learning: Working for an extended period of time to investigate and respond to an authentic, engaging, and complex question, problem, or challenge. Students engage in a rigorous, extended process of asking questions, finding resources, and applying information. Students often make work public by explaining, displaying, and/or presenting it to people beyond the classroom. This can include completion of a research project, completion of a course capstone, an AP Capstone Assessment, or any other experience as approved by the State Board of Education. Description: _____ Verification Product: _____ ☐Service-Based Learning: Integrates meaningful service to enrich and apply academic knowledge, teach civic and personal responsibility, and strengthen communities. This can include participation in a meaningful volunteer or civic engagement experience, engagement in a school-based activity, such as a co-curricular or extra-curricular activity or sport for at least one academic year, or another experience as approved by the State Board of Education. Description: _____ Verification Product: _____ ☐Work-Based Learning: Reinforces academic, technical, and social skills learned in the classroom through collaborative activities and employer partners, allowing students to apply classroom theories to practical problems, explore career options, and pursue personal and professional goals. This can include completion of a course capstone, completion of an internship, obtaining the Governor's Work Ethic Certificate, employment outside of the school day, or another experience as approved by the State Board of Education. Description: Verification Product: _____
3 Postsecondary-Ready Competencies (Students must complete at least one of the following:)	☐Honors Diploma: ☐AHD ☐THD ☐ACT College Ready Benchmarks (18 in English or 22 in Reading and 22 in Math or 23 in Science) English or Reading: _____ and Math or Science: _____ ☐SAT College Ready Benchmarks (480 in EBRW, 530 in Math) EBRW _____ Math _____ ☐ASVAB (minimum score of 31) AFQT score _____ (can only be used if enlisting in Military) ☐State and Industry Recognized Credential or Certification Certification: _____ ☐CTE Concentrator (earn "C" average in a NLPS Program of Study) Program: _____ Course: _____ Course: _____ Course: : _____ ☐AP/IB/Dual Credit/Cambridge International/CLEP Exam (earn "C" average in at least 3 courses – at least one in a core) AP/DC 1 _____AP/DC 2 _____AP/DC 3 _____AP/DC GPA _____ ☐CLEP Exams (minimum score of 50 on at least 3 subject area exams – at least one in core) ☐Locally Created and Approved Pathway LCP: _____

South Central Jr. – Sr. High School Graduation Pathway Checklist

Student Name: _____ **Cohort:** **2029 (and younger)**

1 High School Diploma	Meet the State of Indiana requirements for a high school diploma: ☐Indiana Diploma ☐Enrollment Honors ☐Enrollment Honors Plus ☐Employment Honors ☐Employment Honors Plus ☐Enlistment & Service Honors ☐Enlistment and Service Honors Plus Note is students earn any of the Honors or Honors Plus designations, they do NOT need to meet Boxes 2 and 3 of the Graduation Pathways. However, it is encouraged for all students to complete those as a "back up plan".
2 Learn and Demonstrate Employability Skills (Students must complete at least one of the following:) See reverse for more information.	☐Project-Based Learning: Working for an extended period of time to investigate and respond to an authentic, engaging, and complex question, problem, or challenge. Students engage in a rigorous, extended process of asking questions, finding resources, and applying information. Students often make work public by explaining, displaying, and/or presenting it to people beyond the classroom. This can include completion of a research project, completion of a course capstone, an AP Capstone Assessment, or any other experience as approved by the State Board of Education. Description: _____ Verification Product: _____ ☐Service-Based Learning: Integrates meaningful service to enrich and apply academic knowledge, teach civic and personal responsibility, and strengthen communities. This can include participation in a meaningful volunteer or civic engagement experience, engagement in a school-based activity, such as a co-curricular or extra-curricular activity or sport for at least one academic year, or another experience as approved by the State Board of Education. Description: _____ Verification Product: _____ ☐Work-Based Learning: Reinforces academic, technical, and social skills learned in the classroom through collaborative activities and employer partners, allowing students to apply classroom theories to practical problems, explore career options, and pursue personal and professional goals. This can include completion of a course capstone, completion of an internship, obtaining the Governor's Work Ethic Certificate, employment outside of the school day, or another experience as approved by the State Board of Education. Description: Verification Product: _____
3 Postsecondary-Ready Competencies (Students must complete at least one of the following:)	☐ACT College Ready Benchmarks (18 in English or 22 in Reading and 22 in Math or 23 in Science) English or Reading: _____ and Math or Science: _____ ☐SAT College Ready Benchmarks (480 in EBRW, 530 in Math) EBRW _____ Math _____ ☐ASVAB (minimum score of 31) AFQT score _____ (can only be used if enlisting in Military) ☐State and Industry Recognized Credential or Certification Certification: _____ ☐CTE Concentrator (earn "C" average in a NLPS Program of Study) Program: _____ Course: _____ Course: _____ Course: : _____ ☐AP/IB/Dual Credit/Cambridge International/CLEP Exam (earn "C" average in at least 3 courses – at least one in a core) AP/DC 1 _____ AP/DC 2 _____ AP/DC 3 _____ AP/DC GPA _____ ☐CLEP Exams (minimum score of 50 on at least 3 subject area exams – at least one in core) ☐Locally Created and Approved Pathway LCP: _____

NLPS (Next Level Programs of Study) CTE (Career and Tech Education) Pathways – Available to SC Students

The first three courses listed in each table (Principles, Concentrator A, and Concentrator B) will allow students to be a Career and Tech Ed (CTE) Concentrator for Box 3 requirements for ALL diplomas and can offer the opportunity to meet Technical Honors Diploma requirements (except for Biomedical Sciences) for Cohorts 2028 and Older or meet the requirements for the three Career Pathway courses for the Employment Honors Seal/Seal Plus for Cohorts 2029 and Younger.

Offered at South Central

Advanced Manufacturing Welding Technology							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7110	Principles of Welding Technology	7111	Shielded Metal Arc Welding	7101	Gas Welding Processes	7226	Welding Technology Capstone

Agriculture, Food and Natural Resources AGRI-Science Plants or Animals							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7117	Principles of Agriculture	5008	Animal Science	5102 5070 5072	Food Science Advanced Life Science, Animals (L) Advanced Life Science: Foods	7238	Agribusiness Capstone

Agriculture, Food and Natural Resources Landscaping							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7117	Principles of Agriculture	5132	Horticulture Science	7115	Landscape and Turf Management	7238	Agribusiness Capstone

Agriculture, Food and Natural Resources Precision Agriculture							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7117	Principles of Agriculture	7116	Precision Agriculture	7113	Crop Management	7238	Agribusiness Capstone

Energy & Natural Resources Natural Resources							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7117	Principles of Agriculture	5108	Natural Resources	7270	Forestry and Wildlife Management		

Engineering					
Principles		**Concentrator A**		**Concentrator B**	
4802	Introduction to Engineering Design PLTW	5644	Principles of Engineering PLTW	5518 5650 5534	Aerospace Engineering Civil Engineering and Architecture Computer Integrated Manufacturing

Health & Human Services Biomedical Sciences					
Principles		**Concentrator A**		**Concentrator B**	
5218	Principles of Biomedical Sciences	5216 5276	Human Body Systems Anatomy & Physiology	5217	Medical Interventions

Marketing, Sales, & Entrepreneurship Marketing and Sales					
Principles		**Concentrator A**		**Concentrator B**	
4562	Principles of Business Management	5914	Marketing Fundamentals	5918	Strategic Marketing

Offered at LaPorte County Career Center/AK Smith in Michigan City (or LaPorte High School for Radio/TV)

Advanced Manufacturing Precision Machining							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7109	Principles of Precision Machining	7105	Precision Machining Fundamentals	7107	Advanced Precision Machining	7219	Precision Machining Capstone

Arts, AV Tech and Communications Radio and Television							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7139	Principles of Broadcasting	7306	Audio and Video Production Essentials	7307	Mass Media Production	7308	Radio & TV Broadcasting Capstone

Construction Construction Trades - Carpentry							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7130	Principles of Construction Trades	7123	Construction Trades General Carpentry	7122	Construction Trades Framing and Finishing	7242	Construction Trades Capstone

Construction Construction Trades - Electrical							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7130	Principles of Construction Trades	7124	Electrical Fundamentals	7119	Advanced Electrical	7262	Construction Trades Electrical

Education and Training Education Professions							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7161	Principles of Teaching	7157	Child and Adolescent Development	7162	Teaching and Learning	7267	Teaching and Learning Capstone

Health & Human Services Cosmetology and Barbering							
7330	Principles of Barbering and Cosmetology	7331	Barbering and Cosmetology Fundamentals	7332	Advanced Cosmetology	7334	Barbering and Cosmetology Capstone

Health & Human Services Pre-Nursing Healthcare Specialist							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7168	Principles of Healthcare	5274	Healthcare Fundamentals (formerly Medical Terminology)	7166	Healthcare Specialist: CNA (note: done year two of program)	7255	Healthcare Specialist Capstone

Health & Human Services Emergency Medical Services							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7168	Principles of Healthcare	5274	Healthcare Fundamentals (formerly Medical Terminology)	7165	Emergency Medical Tech (note: done year two of program)	7255	Healthcare Specialist Capstone

Hospitality, Events and Tourism Culinary Arts – Baking and Pastry							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7173	Principles of Culinary Arts	7171	Nutrition	7169	Culinary Arts	7233 7235	Culinary Capstone Pastry Capstone

Public Service & Safety Criminal Justice							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7193	Principles of Criminal Justice	7191	Law Enforcement Fundamentals	7188	Corrections and Cultural Awareness	7231	Criminal Justice Capstone

Public Service & Safety Fire and Rescue							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7195	Principles of Fire and Rescue	7189	Fire Fighting Fundamentals	7186	Advanced Fire Fighting	7229	Fire and Rescue Capstone/EMT

Supply Chain & Transportation Automotive Services							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7213	Principles of Automotive Services	7205	Brake Systems	7212	Steering and Suspensions	7375	Auto Service Capstone

Career and Technical Education (CTE) course titles and descriptions are included in this document under the following subject areas and career clusters:

Foundational CTE	Advanced Manufacturing • Precision Machining • Welding	Agriculture • AGRI Science Plants or Animals • Landscaping • Precision Machining
Arts, AV Tech and Communication • Radio and Television	Construction • Construction Trades – Carpentry • Construction Trades - Electrical	Education and Training • Education Professions
Energy and Natural Resources • Natural Resources	Engineering • Engineering PLTW	Health and Human Services • Biomedical Sciences • Cosmetology and Barbering • Pre Nursing Healthcare Specialist • Emergency Medical Services
Hospitality Events and Tourism • Culinary Arts – Baking and Pastry	Marketing, Sales and Entrepreneurship • Marketing and Sales	Public Service and Safety • Criminal Justice • Fire and Rescue
Supply Chain & Transportation • Automotive Services		

FOUNDATIONAL CTE COURSES

Personal Financial Responsibility 4540 (PRS FIN RSP)		
Course Description	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, saving 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 encouraged.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Class Period/One Semester/One Credit	
Open To	Sophomores-Seniors (required Sophomore year)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective Local/School Requirement Class of 2026 & 2027 Graduation Requirement Class of 2028	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the 1 credit Personal Finance/Math requirement
Dual Credit Info	N/A	

Preparing for College and Careers 5394 (PCC or PREP CC))		
Course Description	Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty- first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, exploring postsecondary options and making career plans, and developing personal and career portfolios. A project based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real world experiences is recommended	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Class Period/One Semester/One High School Credit	
Open To	Required: 8th Grade (and any students new to South Central who have not taken it previously)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Local/School Requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the requirement for the 1 College & Careers credit
Dual Credit Info	N/A	

Computing Foundations for a Digital Age 4565 (COMPFOUND)		
Course Description	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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Class Period/One Semester/One High School Credit	
Open To	Required: Freshmen	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the requirement for the 1 Computer Science credit
Dual Credit Info	N/A	

Business Math 4512 (BUS MATH)		
Course Description	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.	
Prerequisites/ Corequisites	Successful completion of Algebra I	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Juniors-Seniors Class of 2028 &older or Sophomores-Seniors Class of 2029 and younger	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/General Elective and counts as Mathematics for General Diploma and Certificate of Completion only • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts as two Additional Math credits for all diplomas
Dual Credit Info	N/A	

Note: This course is taken in our Virtual Learning Lab

Technical Math 7218 (TECH MATH)		
Course Description	Technical Math is designed to help students develop mathematical reasoning and real-world skills in analyzing verbal and written descriptions, translating them into algebraic, geometric, trigonometric, and statistical statements and applying them to solve problems in fabrication, manufacturing, and business. The course will include at least six lab activities or projects to allow faculty and students to apply mathematics principles to work-related situations.	
Prerequisites/ Corequisites	Successful completion of Algebra I	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): TBD	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts as two Additional Math credits for all diplomas
Dual Credit Info	N/A	

Note: This course is not currently offered, but may be in coming years.

CAREER CLUSTER: ADVANCED MANUFACTURING

Engineering Essentials 7199 (ENG ESS)		
Course Description	Engineering Essentials is designed as a first-exposure experience to inspire students of all backgrounds to explore the breadth of engineering-related career opportunities. Throughout the course, students explore global engineering challenges and sustainability goals, the impact of engineering, and the variety of career paths available to them. Students will understand the various disciplines within the engineering field, approach and solve problems in different ways, use a variety of industry tools, and build an engineering mindset.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Class Period/One Semester/One Credit	
Open To	All students take in 8th Grade as an Elective	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Advanced Manufacturing Precision Machining							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7109	Principles of Precision Machining	7105	Precision Machining Fundamentals	7107	Advanced Precision Machining	7219	Precision Machining Capstone

Principles of Precision Machining 7109 (PRIN PREC MACH)		
Career Cluster/ Program of Study	Advanced Manufacturing - Precision Machining	
NLPS Sequence	Principles	
Course Description	Principles of Precision Machining will provide 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, 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 that may be required for college dual credit	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One High School Credit Per Semester – Taken as part of a three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (MTTC 101: Introduction to Machining; MTTC 106: Print Interpretation)	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Precision Machining Fundamentals 7105 (MACH FUN)		
Career Cluster/ Program of Study	Advanced Manufacturing - Precision Machining	
NLPS Sequence	Concentrator A	
Course Description	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 that may be required for college dual credit.	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One High School Credit Per Semester – Taken as part of a three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger):
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (MTTC 102: Turning Processes I; MTTC 103: Milling Processes I)	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Advanced Precision Machining 7107 PREC MACH		
Career Cluster/ Program of Study	Advanced Manufacturing - Precision Machining	
NLPS Sequence	Concentrator B	
Course Description	Advanced Precision Machining will build upon the Turning and Milling processes learned in Precision Machining Fundamentals and will build 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 that may be required for college dual credit.	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One High School Credit Per Semester – Taken as part of a three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective and counts as the two required STEM-focused credits
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (MTTC 105: Abrasive Processes I; MTTC 110: Turning and Milling Processes)	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Precision Machining Capstone 7219 (PREC MACH CAP)		
Career Cluster/ Program of Study	Advanced Manufacturing - Precision Machining	
NLPS Sequence	Capstone (Not Required to be a CTE Concentrator)	
Course Description	Precision Machining Capstone is an in-depth study of skills learned in Precision Machining I, with a stronger focus on CNC setup/operation/programming. Students will be introduced to two axis CNC lathe programming and three axis CNC milling machine programming. Develops the theory of programming in the classroom with applications of the program accomplished on industry-type machines. Studies terminology of coordinates, cutter paths, angle cutting, and linear and circular interpolation. Classroom activities will concentrate on precision set-up and inspection work, as well as machine shop calculations. Students will develop skills in advanced machining and measuring parts involving tighter tolerances and more complex geometry. A continued focus on safety will also be presented.	
Prerequisites/ Corequisites	Application process; Required Background: Princ Prec Mach; Prec Mach Fund; Adv Prec Mach	
Course Length/Credits	Two Semesters/Three High School Credit Per Semester/Three Class Periods – Taken as part of a three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective and counts as the two required STEM-focused credits
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (MTTC 107: CNC Setup and Operations I; MTTC 208: CNC Mill Programming; MTTC 209: CNC Lathe Programming)	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Advanced Manufacturing Welding Technology							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7110	Principles of Welding Technology	7111	Shielded Metal Arc Welding	7101	Gas Welding Processes	7226	Welding Technology Capstone

NOTE THAT STUDENTS WHO TAKE THE WELDING CLASSES AT SC WILL NEED TO PURCHASE THEIR OWN SCHOOL-APPROVED PROTECTIVE EQUIPMENT.

IF ANY STUDENT WISHES TO TAKE THESE CLASSES AT AK SMITH CAREER CENTER (JUNIOR AND/OR SENIOR YEAR), PLEASE CONTACT MRS. RANDALL AND KNOW THAT AN APPLICATION PROCESS IS REQUIRED, THAT THE CLASSES ARE TAKEN IN A THREE-HOUR BLOCK, AND THAT ADDITIONAL FEES MAY APPLY.

Principles of Welding Technology 7110 (PRIN WEL TECH)		
Career Cluster/ Program of Study	Advanced Manufacturing - Welding	
NLPS Sequence	Principles	
Course Description	Principles of Welding Technology includes classroom and laboratory experiences that develop a variety of skills in oxy-fuel cutting and basic welding. This course is designed for individuals who intend to make a career as a Welder, Technician, Designer, Researcher, or Engineer. Emphasis is placed on safety at all times. OSHA standards and guidelines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld and be prepared for postsecondary and career success.	
Prerequisites/ Corequisites	None if taken at SC	
Course Length/Credits	Two Semesters/One High School Credit Per Semester	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met. (WELD 100)	

Shielded Metal Arc Welding 7111 (SHLD MAW)		
Career Cluster/ Program of Study	Advanced Manufacturing - Welding	
NLPS Sequence	Concentrator A	
Course Description	Shielded Metal Arc Welding involves the theory and application of the Shielded Metal Arc Welding process. Process 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.	
Prerequisites/ Corequisites	Principles of Welding	
Course Length/Credits	Two Semesters/One High School Credit Per Semester	
Open To	Sophomores-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met. (WELD 108 & WELD 206)	

Gas Welding Processes 7101 (GAS WEL PRC)		
Career Cluster/ Program of Study	Advanced Manufacturing - Welding	
NLPS Sequence	Concentrator B	
Course Description	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, fluxcore, 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.	
Prerequisites/ Corequisites	Principles of Welding	
Course Length/Credits	Two Semesters/One High School Credit Per Semester	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger):
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met. (WELD 207 & WELD 272)	

Welding Technology Capstone 7226 (WELD TECH CAP)		
Career Cluster/ Program of Study	Advanced Manufacturing - Welding	
NLPS Sequence	Capstone	
Course Description	The Welding Technology Capstone course builds upon the knowledge and skills developed in Welding Fundamentals, Shielded Metal Arc Welding, and Gas Metal Arc Welding by developing advanced welding skills in Gas Tungsten Arc Welding (TIG), Pipe Welding, and Fabrication. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience.	
Prerequisites/ Corequisites	Principles of Welding, Shielded Metal Arc Welding, Gas Welding Processes	
Course Length/Credits	Two Semesters/One High School Credit Per Semester	
Open To	Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met. (WELD 208 & WELD 273)	

CAREER CLUSTER: AGRICULTURE

Agriculture General

Introduction to Agriculture, Food and Natural Resources 5056 (INT AGFNR)		
Course Description	Introduction to Agriculture, Food and Natural Resources is a one or two semester course that is highly recommended as a prerequisite to and as a foundation for all other agricultural classes. Through hands-on learning activities, students are encouraged to investigate areas of agriculture. Students are introduced to the following areas of agriculture: animal science, plant and soil science, food science, horticultural science, agricultural business management, natural resources, agriculture power, structure, and technology, careers in agriculture, leadership, and supervised agricultural experience. An activity and project-based approach is used along with team building to enhance the effectiveness of the student learning activities	
Prerequisites/ Corequisites	None	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	8th Grade Only	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/General Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: Students MUST be enrolled in an Ag class to join FFA.

Principles of Agriculture 7117		
Career Cluster/ Program of Study	Agri-Science – Plants or Animals, Horticulture, Landscaping, Natural Resources, Precision Agriculture	
NLPS Sequence	Principles	
Course Description	Principles of Agriculture is a two semester course that will cover 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 Resource (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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - AGRI 100: Introduction to Agriculture – 3 credits; AGRI 102: Agricultural Business and Farm Management – 3 credits	

Note: Students MUST be enrolled in an Ag class to join FFA.

Agribusiness Capstone 7238 (AG BUS CAP)		
Career Cluster/ Program of Study	(Agri-Science – Plants or Animals, Horticulture, Landscaping, Natural Resources, Precision Agriculture)	
NLPS Sequence	Capstone	
Course Description	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.	
Prerequisites/ Corequisites	Complete the three-course sequence in any of the Agriculture pathways.	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older):	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts as two required STEM-focused credits
Dual Credit Info	N/A	

Note: Students MUST be enrolled in an Ag class to join FFA.

AGRI-Science Plants or Animals

Agriculture, Food and Natural Resources AGRI-Science Plants or Animals							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7117	Principles of Agriculture	5008	Animal Science	5102 5070 5072	Food Science Advanced Life Science, Animals (L) Advanced Life Science: Foods (L)	7238	Agribusiness Capstone

Animal Science 5008 (ANML SCI)		
Career Cluster/ Program of Study	Agriculture, Food and Natural Resources - Agri-Science – Plants or Animals	
NLPS Sequence	Concentrator A	
Course Description	Animal Science is a two semester course that provides students with an overview of the animal agriculture industry. 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 animals, biosecurity threats and interventions relating to animal and human safety, nutrition, reproduction, careers, leadership, and supervised agricultural experiences relating to animal agriculture.	
Prerequisites/ Corequisites	Required Background: Principles of Ag (prereq or concurrent)	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Freshmen -Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills Science requirement for all diplomas and Physical Science for General Diploma	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective and counts as the two required STEM-focused credits or as two additional Science credits
Dual Credit Info	Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - AGRI 103: Animal Science – 3 credits	

Note: Students MUST be enrolled in an Ag class to join FFA.

Advanced Life Science: Animal Science (L) 5070 (ALS ANML)		
Career Cluster/ Program of Study	Agriculture, Food and Natural Resources - Agri-Science – Plants or Animals	
NLPS Sequence	Concentrator B	
Course Description	Advanced Life Science: Animals is a two semester course that 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.	
Prerequisites/ Corequisites	Recommended Background: Biology and Chemistry Required Background: Principles of Ag; Animal Science	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Sophomores - Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Counts as an elective or directed elective for all diplomas Fulfills a science requirement for all diplomas • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts as Personalized Elective or Additional Science credits/Lab Science or STEM-focused credits for all diplomas
Dual Credit Info	Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - AGRI 107: Advanced Animal Science	

Note: Students MUST be enrolled in an Ag class to join FFA.

Food Science 5102 (FOOD SCI)		
Career Cluster/ Program of Study	Agriculture, Food and Natural Resources - Agri-Science – Plants or Animals	
NLPS Sequence	Concentrator B	
Course Description	Food Science is a two semester course that provides students with an overview of food science and the role it plays in the securing of a safe, nutritious, and adequate food supply. A project-based approach is utilized in this course, along with laboratory, team building, and problem solving activities to enhance student learning. Students are introduced to the following areas of food science: food processing, food chemistry and physics, nutrition, food microbiology, preservation, packaging and labeling, food commodities, food regulations, issues and careers in the food science industry.	
Prerequisites/ Corequisites	Recommended Background: Intro to Ag. Required Background: Principles of Ag (prereq or concurrent)	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Freshmen – Seniors (9^{th} graders would have to take Princ of Ag also)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills Life Science or Physical Science for General Diploma only or Elective/Directed Elective for Core 40, AHD, or THD	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - AGRI 104: Food Science – 3 credits	

Note: This class will not be offered for the 2026-27 school year.

Advanced Life Science: Foods (L) 5072 (ALS FOODS)		
Career Cluster/ Program of Study	Agriculture, Food and Natural Resources Agri-Science – Plants or Animals	
NLPS Sequence	Concentrator B	
Course Description	Advanced Life Science: Foods provides students with opportunities to participate in a variety of activities including laboratory work. This is a standards-based, interdisciplinary science course that integrates biology, chemistry, and microbiology in the context of foods and the global food industry. Students enrolled in this course formulate, design, and carry out food-base laboratory and field investigations as an essential course component. Students understand how biology, chemistry, and physics principles apply to the composition of foods, the nutrition of foods, food and food product development, food processing, food safety and sanitation, food packaging, and food storage. Students completing this course will be able to apply the principles of scientific inquiry to solve problems related to biology, physics, and chemistry in the context of highly advanced industry applications of foods.	
Prerequisites/ Corequisites	Recommended Background: Intro to Ag. Required Background: Principles of Ag (prereq or concurrent)	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Sophomores-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Counts as an elective or directed elective for all diplomas Fulfills a science requirement for all diplomas Counts as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts as Personalized Elective or Additional Science credits/Lab Science and STEM-focused credits for all diplomas
Dual Credit Info	Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - AGRI 108: Advanced Food Science – 3 credits	

Note: Students MUST be enrolled in an Ag class to join FFA.

Agriculture Landscape

Agriculture, Food and Natural Resources Landscaping							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7117	Principles of Agriculture	5132	Horticulture Science	7115	Landscape and Turf Management	7238	Agribusiness Capstone

Horticulture Science 5132 (HORT SCI)		
Career Cluster/ Program of Study	Agriculture, Food and Natural Resources - Landscape	
NLPS Sequence	Concentrator A	
Course Description	Horticulture Science is a two semester course that provides students with a background in the field of horticulture. Coursework includes hands-on activities that encourage students to investigate areas of horticulture as it relates to the biology and technology involved in the production, processing, and marketing of horticultural plants and products. Students are introduced to the following areas of horticulture science: reproduction and propagation of plants, plant growth, growth-media, management practices for field and greenhouse production, marketing concepts, production of plants of local interest, greenhouse management, floral design, and pest management. Students participate in a variety of activities including extensive laboratory work usually in a school greenhouse.	
Prerequisites/ Corequisites	Required Background: Principles of Ag (prereq or concurrent)	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Open to: Freshmen – Seniors (9th graders would have to take Princ of Ag also)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills Life Science or Physical Science for General Diploma only or Elective/Directed Elective for Core 40, AHD, or THD	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts as two required STEM-focused credits
Dual Credit Info	Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - AGRI 116: Survey of Horticulture – 3 credits	

Note: Students MUST be enrolled in an Ag class to join FFA.

Landscape and Turf Management 7115 (LAND TUR MAN)		
Career Cluster/ Program of Study	Agriculture, Food and Natural Resources - Landscape	
NLPS Sequence	Concentrator B	
Course Description	Landscape and Turf Management is a two semester course that provides the student with an overview of the many career opportunities in the diverse field of landscape and turf management. Students are introduced to the procedures used in the planning and design of a landscape using current technology practices, the principles and procedures involved with landscape construction, the determination of maintenance schedules, communications, and management skills necessary in landscaping operations, and the care and use of equipment utilized by landscapers. Upon completion of the program, students have the opportunity to become Indiana Landscape Industry Certified through a state approved program.	
Prerequisites/ Corequisites	Required Background: Principles of Ag (prereq or concurrent)	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Open to: Freshmen – Seniors (9th graders would have to take Princ of Ag also)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts as two required STEM-focused credits
Dual Credit Info	Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - AGRI 164: Landscape Design I – 3 credits	

Note: Students MUST be enrolled in an Ag class to join FFA.

Agriculture – Precision Agriculture

Agriculture, Food and Natural Resources Precision Agriculture							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7117	Principles of Agriculture	7116	Precision Agriculture	7113	Crop Management	7238	Agribusiness Capstone

Precision Agriculture 7116 (PREC AG)		
Career Cluster/ Program of Study	Agriculture, Food and Natural Resources – Precision Agriculture	
NLPS Sequence	Concentrator A	
Course Description	Precision Agriculture describes the purpose and concepts of precision agriculture and precision farming through classroom and lab-based instruction. It involves understanding and operation of the various precision agriculture tools including GPS, GIS, and VRT. Students will learn how to collect data, analyze data and use the information to make decisions. Students will gain an understanding of the justifications that demonstrate the economic and environmental benefits of precision agriculture. The Precision Agriculture course also incorporates the use of UAVs. Students will demonstrate UAV competency and handling in order to achieve the Part 107 UAS certification.	
Prerequisites/ Corequisites	Required Background: Principles of Ag (prereq or concurrent)	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Open to: Freshmen – Seniors (9th graders would have to take Princ of Ag also)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Counts as a directed elective or elective credits for all diplomas Counts as a quantitative reasoning course*	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - PAET 100: Introduction to Precision Agriculture; PAET 107: Unmanned Aerial Vehicles in Precision Agriculture	

Note: This course will not be offered for the 2026-27 school year, but will be offered again during the 2027-28 school year.

Crop Management 7113 (CROP MAN)		
Career Cluster/ Program of Study	Agriculture, Food and Natural Resources – Precision Agriculture	
NLPS Sequence	Concentrator B	
Course Description	Crop Management will provide an understanding of plant nutrient requirements and how to provide for those needs to achieve efficient crop production through classroom and lab-based instruction. Students will understand proper fertilizer materials, application methods and techniques. Instruction on soil analysis by demonstrating proper soil testing techniques which will be used to create fertility plans for proposed crops. Integrated pest management and the evaluation of various pest controls with minimal impact on the environment will also be an emphasis of the course.	
Prerequisites/ Corequisites	Required Background: Principles of Ag (prereq or concurrent)	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Open to: Freshmen – Seniors (9th graders would have to take Princ of Ag also)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Counts as a directed elective or elective credits for all diplomas Counts as a quantitative reasoning course* Fulfills a science requirement for all diploma types	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts as two required STEM-focused credits
Dual Credit Info	Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - AGRI 217: Soil Fertility – 3 credits (pending Ivy Tech approval)	

Note: Students MUST be enrolled in an Ag class to join FFA.

CAREER CLUSTER: ARTS, AV TECH AND COMMUNICATIONS

Arts, AV Tech and Communications Radio and Television							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7139	Principles of Broadcasting	7306	Audio and Video Production Essentials	7307	Mass Media Production	7308	Radio & TV Broadcasting Capstone

Principles of Broadcasting 7139 (PRIN BROAD)		
Career Cluster/ Program of Study	Arts, AV Tech and Communications – Radio and Television	
NLPS Sequence	Principles	
Course Description	The purpose of the Principles of Broadcasting course is to provide entry-level fundamental skills for students who wish to seek or pursue opportunities in the field of broadcasting or mass media. Students will explore the technical aspects of audio and sound design for radio production and distribution, as well as, the technical aspects of video production and distribution	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit if requirements are met, contact LaPorte High School Instructor for info on how to qualify. – Ivy Tech - VISC 105: Video and Sound	

Note: This course is taken off campus at LaPorte High School from 7:45-10:10 a.m. daily. Students provide own transportation. Additional fees may apply.

Audio and Video Production Essentials 7306 (AUD VID PROD)		
Career Cluster/ Program of Study	Arts, AV Tech and Communications – Radio and Television	
NLPS Sequence	Concentrator A	
Course Description	Audio and Video Production Essentials provides an in-depth study on audio and video production techniques for radio, television, and digital technologies. Students will learn skills necessary for audio production and on-air work used in radio and other digital formats. Additionally, experience will be gained in the development of the video production process; including skills in message development, directing, camera, video switcher, and character generator operations.	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: This course is taken off campus at LaPorte High School from 7:45-10:10 a.m. daily. Students provide own transportation. Additional fees may apply.

Mass Media Production 7307 (MASS MED PROD)		
Career Cluster/ Program of Study	Arts, AV Tech and Communications – Radio and Television	
NLPS Sequence	Concentrator B	
Course Description	Mass Media Production will focus on the study of theory and practice in the voice and visual aspects of radio and television performance. In addition, this course introduces the skills used to acquire and deliver news stories in a digital media format. Students will learn how to research issues and events, interview news sources, interact with law enforcement and government officials, along with learning to write in a comprehensive news style.	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One Credit Per Semester /Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: This course is taken off campus at LaPorte High School from 7:45-10:10 a.m. daily. Students provide own transportation. Additional fees may apply.

Radio & TV Broadcasting Capstone 7308 (RAD TV BROAD CAP)		
Career Cluster/ Program of Study	Arts, AV Tech and Communications – Radio and Television	
NLPS Sequence	Capstone	
Course Description	This course will cover a variety of domains further building on skills in video production, and broadcast industry practices specific to radio, television, and digital media. Attention will be given to cross-industry synergies, emerging technologies, and the global market for media. Students are highly encouraged to do a video newscast or radio practicum to gain real world experience. In most cases this practicum may be completed through a school-based enterprise.	
Prerequisites/ Corequisites	Required Background: Princ of Broadcasting; Audio/Video Prod Essentials; Mass Media Prod; application process	
Course Length/Credits	Two Semesters/Three Credits Per Semester/Taken as part of three class block	
Open To	Seniors (Year Two of Program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: This course is taken off campus at LaPorte High School from 7:45-10:10 a.m. daily. Students provide own transportation. Additional fees may apply.

CAREER CLUSTER: CONSTRUCTION

Introduction to Construction (Woods 1) 4792 (INT CONST)		
Course Description	Introduction to Construction is a course that will offer hands-on activities and real-world experiences related to the skills essential in residential, commercial and civil building construction. During the course students will be introduced to the history and traditions of construction trades. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students are introduced to blueprint reading, applied math, basic tools and equipment, and safety. Students will demonstrate building construction techniques, including concrete and masonry, framing, electrical, plumbing, dry walling, HVAC, and painting as developed locally in accordance with available space and technologies. Students learn how architectural ideas are converted into projects and how projects are managed during a construction project in this course. Students study construction technology topics such as preparing a site, doing earthwork, setting footings and foundations, building the superstructure, enclosing the structure, installing systems, finishing the structure, and completing the site. Students also investigate topics related to the purchasing and maintenance of structures, special purpose facilities, green construction and construction careers.	
Prerequisites/ Corequisites	None	
Course Length/Credits	Two Semesters/Two Credits/One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Construction Trades - Carpentry

Construction Construction Trades - Carpentry							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7130	Principles of Construction Trades	7123	Construction Trades General Carpentry	7122	Construction Trades Framing and Finishing	7242	Construction Trades Capstone

Principles of Construction Trades 7130 (PRIN CON TR)		
Career Cluster/ Program of Study	Construction – Construction Trades-Carpentry Construction – Construction Trades-Electrical	
NLPS Sequence	Principles	
Course Description	Principles of Construction Trades prepares students with the basic skills needed to continue in a construction trade field. Topics will include an introduction to the types and uses for common hand and power tools, learn the types and basic terminology associated with construction drawings, and basic safety. Additionally students will study the roles of individuals and companies within the construction industry and reinforce mathematical and communication skills necessary to be successful in the construction field.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (BCTI 100: Introduction to Construction Technology)	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Construction Trades: General Carpentry 7123 (CON TRD GC)		
Career Cluster/ Program of Study	Construction – Construction Trades-Carpentry	
NLPS Sequence	Concentrator A	
Course Description	Construction Trades: General Carpentry builds upon the skills learned in the Principles of Construction Trades and examines the basics of framing. This includes studying the procedures for laying out and constructing floor systems, wall systems, ceiling joist and roof framing, and basic stair layout. Additionally, students will be introduced to building envelope systems	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (BCTI 101: Introduction to Carpentry, Part 1; BCTI 102: Introduction to Carpentry, Part 2)	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Construction Trades: Framing and Finishing 7122 (CON TRD FR FIN)		
Career Cluster/ Program of Study	Construction – Construction Trades-Carpentry	
NLPS Sequence	Concentrator B	
Course Description	Construction Trades: Framing and Finishing prepares students with advanced framing skills along with interior and exterior finishing techniques. 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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (BCTI 103: Carpentry Framing and Finishing, Part 1; BCTI 104: Carpentry Framing and Finishing, Part 2)	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Construction Trades Capstone 7242 (CSTR TR CAP)		
Career Cluster/ Program of Study	Construction – Construction Trades-Carpentry	
NLPS Sequence	Capstone	
Course Description	The Construction Trades Capstone course 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 1certificates.	
Prerequisites/ Corequisites	Required Background: Princ of Const; Constr: Gen Carpentry; Constr Trades: Framing & Fin; application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Seniors (Year Two of program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (BCTI 130: Introduction to Electrical; BCTI 201: Carpentry Forms, Part 1; BCTI 202: Carpentry Forms, Part 2; BCTI 280: Co-Op/Internship)	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Construction Construction Trades - Electrical							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7130	Principles of Construction Trades	7124	Electrical Fundamentals	7119	Advanced Electrical	7262	Construction Trades Electrical

Note: Principles of Construction Trades is listed under the Construction Trades – Carpentry Sub Heading.

Electrical Fundamentals 7124 (ELEC FUN)		
Career Cluster/ Program of Study	Construction – Construction Trades-Electrical	
NLPS Sequence	Concentrator A	
Course Description	This course covers NCCER Electrical Level 1. Its modules cover topics such as orientation to the electrical trade, electrical safety, introduction to electrical circuits, electrical theory, introduction to the National Electrical Code, device boxes, hand bending, raceways and fittings, conductors and cables, basic electrical construction drawings, residential electrical services, and electrical test equipment. The NCCER Electrical Level 1 certificate and wallet card will also be awarded upon successful completion of this course	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger):
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (BCTI 130: Introduction to Electrical)	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Advanced Electrical 7119 (ADV ELEC)		
Career Cluster/ Program of Study	Construction – Construction Trades-Electrical	
NLPS Sequence	Concentrator B	
Course Description	Advanced Electrical covers topics such as alternating current, motors: theory and application, electric lighting, conduit bending, and pull and junction boxes. The second part of the course will cover topics such as conductor installations, cable tray, conductor terminations and splices, grounding and bonding, circuit breakers and fuses, control systems and fundamental concepts. Students will be ready to complete the NCCER Electrical Level 2 certificate upon successful completion of the course.	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (BCTI 131: Electrical Part 1; BCTI 132: Electrical Part 2)	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Construction Trades Electrical Capstone 7263 (CT ELEC CAP)		
Career Cluster/ Program of Study	Construction – Construction Trades-Electrical	
NLPS Sequence	Capstone	
Course Description	Construction Trades Electrical Capstone builds upon the skills learned in Electrical Fundamentals and Advanced Electrical. Topics include load calculations – branch and feeder circuits, conductor selection and calculations, practical applications of lighting. This course will also cover commercial electrical services including distribution equipment, transformers, and voice, data and video. Completion of this course will prepare students for the NCCER Electrical Level 3 certificate. Students may also complete an Ivy Tech CT by completing coursework in general carpentry.	
Prerequisites/ Corequisites	Required Background: Princ of Const; Electrical Fund; Adv Electrical; application process	
Course Length/Credits	Two Semesters/Three Credits Per Semester/Taken as part of three class block	
Open To	Seniors (Year Two of program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts as two required STEM-focused credits
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify (INDT 113 – Industrial Electrical I; SUST 100 Introduction to Renewable Energy Sources	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

CAREER CLUSTER: EDUCATION AND TRAINING

Educations Professions

Education and Training Education Professions							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7161	Principles of Teaching	7157	Child and Adolescent Development	7162	Teaching and Learning	7267	Teaching and Learning Capstone

Principles of Teaching 7161 (PRIN TEACH)		
Career Cluster/ Program of Study	Education and Training – Education Professions	
NLPS Sequence	Principles	
Course Description	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.	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	TBD ?? Ivy Tech - EDUC 101: Introduction to Teaching	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Child and Adolescent Development 7157 (CHILD ADL DEV)		
Career Cluster/ Program of Study	Education and Training – Education Professions	
NLPS Sequence	Concentrator A	
Course Description	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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	TBD ?? Ivy Tech - EDUC 121: Child and Adolescent Development	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Teaching and Learning 7162 (TEACH LRN)		
Career Cluster/ Program of Study	Education and Training – Education Professions	
NLPS Sequence	Concentrator B	
Course Description	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.	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	TBD ??Ivy Tech - EDUC 201: Technology in Education	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Education Professions Capstone 7267 (ED PROF CAP)		
Career Cluster/ Program of Study	Education and Training – Education Professions	
NLPS Sequence	Capstone	
Course Description	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 the 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.	
Prerequisites/ Corequisites	Required Background: Princ of Teaching; Child & Adoles Dev; Teaching and Learning; application process	
Course Length/Credits	Two Semesters/Three Credit Per Semester/Taken as part of three class period block	
Open To	Open To: Seniors (Year two of program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Electives
Dual Credit Info	TBD - ?? Ivy Tech - EDUC 230: The Exceptional Child, EDUC 233: Literary Dev through Children's Literature	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

CAREER CLUSTER: ENERGY & NATURAL RESOURCES

Natural Resources

Energy & Natural Resources Natural Resources							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7117	Principles of Agriculture	5108	Natural Resources	7270	Forestry and Wildlife Management		**See if Ag Capstone works since this is now under a different career cluster**

Note: Principles of Agriculture is listed under Agriculture heading.

Natural Resources 5180 (NAT RSS)		
Career Cluster/ Program of Study	Energy & Natural Resources – Natural Resources	
NLPS Sequence	Concentrator A	
Course Description	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.	
Prerequisites/ Corequisites	Required Background: Principles of Ag (prereq or concurrent)	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Open to: Freshmen – Seniors (9th graders would have to take Princ of Ag also)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Counts as an elective or directed elective for all diplomas Fulfills a science requirement for all diplomas	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts as two required STEM-focused credits
Dual Credit Info	Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - AGRI 115: Natural Resources Management – 3 credits	

Note: Students MUST be enrolled in an Ag class to join FFA.

Forestry and Wildlife Management 7270 (FOR WILF MGMT)		
Career Cluster/ Program of Study	Energy & Natural Resources – Natural Resources	
NLPS Sequence	Concentrator B	
Course Description	Forestry and Wildlife Management is a two semester course that provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to environmental and ecological impacts, forestry management, timber harvesting, tree production, and wood utilization, as well as environmental issues and career exploration	
Prerequisites/ Corequisites	Required Background: Principles of Ag (prereq or concurrent)	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Open to: Freshmen – Seniors (9th graders would have to take Princ of Ag also)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Counts as a Directed Elective or Elective for all diplomas Fulfills a science requirement for all diploma types	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts as two required STEM-focused credits
Dual Credit Info	N/A	

Note: This course will not be offered for the 2026-27 school year, but will be back the following year.

CAREER CLUSTER: ENGINEERING

Engineering					
Principles		**Concentrator A**		**Concentrator B**	
4802	Introduction to Engineering Design PLTW	5644	Principles of Engineering PLTW	5518 5650 5534	Aerospace Engineering Civil Engineering and Architecture Computer Integrated Manufacturing

Introduction to Engineering Design PLTW 4802 (INT ENG DES)		
Career Cluster/ Program of Study	Engineering	
NLPS Sequence	Principles	
Course Description	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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	Note: Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. Ivy Tech - DESN 101: Intro to Design Technology – 3 credits	

Principles of Engineering PLTW 5644 (PRIN ENG)		
Career Cluster/ Program of Study	Engineering	
NLPS Sequence	Concentrator A	
Course Description	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.	
Prerequisites/ Corequisites	Intro to Engineering	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Sophomores-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective; Science for all diplomas • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective and meets the required 2 STEM-focused credits requirement
Dual Credit Info	Note: Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. DESN 104: Mechanical Graphics – 3 credits	

Aerospace Engineering PLTW 5518 (AERO ENG)		
Career Cluster/ Program of Study	Engineering	
NLPS Sequence	Concentrator B	
Course Description	Aerospace Engineering provides students with the fundamental knowledge and experience to apply mathematical, scientific, and engineering principles to the design, development, and evolution of aircraft, space vehicles and their operating systems. Emphasis should include investigation and research on flight characteristics, analysis of aerodynamic design, and impact of this technology on the environment. Classroom instruction should provide creative thinking and problem-solving activities using software that allows students to design, test, and evaluate a variety of air and space vehicles, their systems, and launching, guidance and control procedures.	
Prerequisites/ Corequisites	Intro to Engineering	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective; Science for all diplomas • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective and meets the required 2 STEM-focused credits requirement
Dual Credit Info	N/A	

Civil Engineering and Architecture PLTW 5650 (CIVIL ENG)		
Career Cluster/ Program of Study	Engineering	
NLPS Sequence	Concentrator B	
Course Description	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. Emphasis should be placed on learning ways that environmental factors might influence the planning and design of a project. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design.	
Prerequisites/ Corequisites	Intro to Engineering	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective and meets the required 2 STEM-focused credits requirement
Dual Credit Info	Note: Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit. – Ivy Tech - DESN 105: Architectural Design I – 3 credits	

Computer Integrated Manufacturing PLTW 5534 (COMP INT MFG)		
Career Cluster/ Program of Study	Engineering	
NLPS Sequence	Concentrator B	
Course Description	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.	
Prerequisites/ Corequisites	Intro to Engineering	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective and meets the required 2 STEM-focused credits requirement
Dual Credit Info	N/A	

Note: This course will NOT be offered during the 2026-27 school year.

CAREER CLUSTER: HEALTH & HUMAN SERVICES

Anatomy & Physiology (L) 5276 (A & P)		
Career Cluster/ Program of Study	Health & Human Services – Biomedical Sciences	
NLPS Sequence	Science only and/or Concentrator A	
Course Description	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. Introduces students to the cell, which is the basic structural and functional united of all organisms, and covers tissues, integument, skeleton, 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.	
Prerequisites/ Corequisites	Required Background: C's in Biology I and Chemistry I If using for Biomedical Sciences Pathway – Principles of Biomedical Sciences	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Science for all diplomas; Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts as Lab Science/additional Science credits
Dual Credit Info	Note: Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit.	

Note: Students taking Health Careers at AK Smith get this content in coursework there

Biomedical Sciences

Health & Human Services Biomedical Sciences					
Principles		**Concentrator A**		**Concentrator B**	
5218	Principles of Biomedical Sciences	5216 5276	Human Body Systems Anatomy & Physiology	5217	Medical Interventions

Principles of Biomedical Sciences PLTW 5218 (PRIN BIOMED)		
Career Cluster/ Program of Study	Health & Human Services – Biomedical Sciences	
NLPS Sequence	Principles	
Course Description	PLTW 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.	
Prerequisites/ Corequisites	Required Background: Biology I or concurrent enrollment in Biology I	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective; Science for all diplomas	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or ONLY IF TAKEN DURING 2025-26 SCHOOL YEAR as two STEM-focused credits
Dual Credit Info	N/A	

Human Body Systems PLTW (L) 5216 (HUMAN SYST)		
Career Cluster/ Program of Study	Health & Human Services – Biomedical Sciences	
NLPS Sequence	Concentrator A	
Course Description	PLTW Human Body Systems is a course designed to engage students in the study of basic human physiology and the care and maintenance required to support the complex systems. Using a focus on human health, students will employ a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress, and observe the interactions between the various body systems. Students will use appropriate software to design and build systems to monitor body functions.	
Prerequisites/ Corequisites	Required Background: Completion of PLTW PRIN BIOMED	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Sophomores-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective; Science Credit for all diplomas	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts for 2 Additional Science credits/Lab Science or counts as required two STEM-focused credits
Dual Credit Info	N/A	

Medical Interventions PLTW (L) 5217 (MED INTERV)		
Career Cluster/ Program of Study	Health & Human Services – Biomedical Sciences	
NLPS Sequence	Concentrator B	
Course Description	PLTW Medical Interventions is a course that studies medical practices including interventions to support humans in treating disease and maintaining health. Using a project-based learning approach, students will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will also study the design and development of various interventions. Lessons will cover the history of organ transplants and gene therapy with additional readings from current scientific literature addressing cutting edge developments.	
Prerequisites/ Corequisites	Required Background: Completion of PLTW Principles of Biomed AND Human Body Systems OR Anatomy & Physiology	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective or Science Credit	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts for 2 Additional Science credits/Lab Science or two required STEM-focused credits
Dual Credit Info	N/A	

Cosmetology and Barbering

Health & Human Services Cosmetology and Barbering							
7330	Principles of Barbering and Cosmetology	7331	Barbering and Cosmetology Fundamentals	7332	Advanced Cosmetology	7334	Barbering and Cosmetology Capstone

Principles of Barbering and Cosmetology 7330 (PRIN COSMO)		
Career Cluster/ Program of Study	Health & Human Services – Cosmetology and Barbering	
NLPS Sequence	Principles	
Course Description	Principles of Cosmetology offers an introduction to cosmetology with emphasis on basic practical skills and theories including roller control, quick styling, shampooing, hair coloring, permanent waving, facials, manicuring, business and personal ethics, and bacteriology and sanitation. Successful completion of the course requires at least 375 Cosmetology studio hours. •This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams.	
Prerequisites/ Corequisites	Application Process, including Interview	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of four class block	
Open To	Juniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply
Note – Students must provide their own transportation to and from the Cosmetology program.

Barbering and Cosmetology Fundamentals 7331 (STY COSMO)		
Career Cluster/ Program of Study	Health & Human Services – Cosmetology and Barbering	
NLPS Sequence	Concentrator A	
Course Description	Barbering and Cosmetology Fundamentals focuses on the development of practical skills introduced in Principles of Cosmetology. Clinical application and theory in the science of cosmetology are introduced. Successful completion of the course requires at least 375 Cosmetology studio hours. •This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams.	
Prerequisites/ Corequisites	Application Process, including Interview	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of four class block	
Open To	Juniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	* Students have opportunity to earn dual credit through Vincennes University if requirements are met, contact AK Smith Instructor for info on how to qualify COSM 100: Cosmetology I	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply
Note – Students must provide their own transportation to and from the Cosmetology program.

Advanced Cosmetology 7332 (ADV COSMO)		
Career Cluster/ Program of Study	Health & Human Services – Cosmetology and Barbering	
NLPS Sequence	Concentrator B	
Course Description	Advanced Cosmetology will emphasize the development of advanced skills in styling, hair coloring, permanent waving, facials and manicuring. Students will also study anatomy and physiology as it applies to cosmetology. Successful completion of the course requires at least 375 Cosmetology studio hours. •This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams.	
Prerequisites/ Corequisites	Application Process, including Interview	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of four class block	
Open To	Juniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Vincennes University if requirements are met, contact AK Smith Instructor for info on how to qualify COSM 150: Cosmetology II	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply
Note – Students must provide their own transportation to and from the Cosmetology program.

Barbering and Cosmetology Capstone 7334 (COSMO CAP)		
Career Cluster/ Program of Study	Health & Human Services – Cosmetology and Barbering	
NLPS Sequence	Capstone	
Course Description	Barbering and Cosmetology Capstone builds and improves previously developed skills with emphasis on developing individual techniques. Professionalism, shop management, psychology in relation to cosmetology, and preparation for state board examination are stressed. Successful completion of the course requires at least 375 Cosmetology studio hours. •This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams.	
Prerequisites/ Corequisites	Required Background: Princ of Barber & Cosmo; Barber & Cosmo Fund; Adv. Cosmo; application process	
Course Length/Credits	Two Semesters/Three Credits Per Semester/Taken as part of four class block	
Open To	Seniors (Year Two of program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Vincennes University if requirements are met, contact AK Smith Instructor for info on how to qualify COSM 200: Cosmetology III; COSM 250: Cosmetology IV	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply
Note – Students must provide their own transportation to and from the Cosmetology program.

Pre-Nursing Healthcare Specialist

Health & Human Services Pre-Nursing Healthcare Specialist							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7168	Principles of Healthcare	5274	Healthcare Fundamentals (formerly Medical Terminology)	7166	Healthcare Specialist: CNA (note: done year two of program)	7255	Healthcare Specialist Capstone

- Healthcare Tech Skills Development 7156 (extra/non-required class for pathway)

Principles of Healthcare 7168 (PRIN HLCR)		
Career Cluster/ Program of Study	Health & Human Services – Pre Nursing Healthcare Specialist Health & Human Services – Emergency Medical Services	
NLPS Sequence	Principles	
Course Description	Principles of Healthcare content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective and counts as 2 STEM-focused credits
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify HLHS 100: Intro to Healthcare, HLHS 104: CPR- Basic Life Support	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Healthcare Fundamentals (formerly Medical Terminology) 5274 (HEALTH FUND/MED TERM)		
Career Cluster/ Program of Study	Health & Human Services – Pre Nursing Healthcare Specialist Health & Human Services – Emergency Medical Services	
NLPS Sequence	Concentrator A	
Course Description	Healthcare Fundamentals 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. Introduces cells, tissues, and human anatomy highlighting essential physiological principles through a systemic approach. Additionally, the course provides a general overview of basic concepts and terminology used in anatomy and physiology as applicable to health sciences and healthcare occupations. 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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or 2 required STEM-focused credits
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify - HLHS 101: Medical Terminology, HLHS 102: Essential Anatomy and Physiology	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Note that Healthcare Tech Skills Development is officially considered under Work-Based Learning Career area (though listed here) and is a component of year one of the Career Center program.

Technical Skills Development 7156 (TECH SKL DEV)		
Course Description	The Technical Skills Development course may be used to provide students with the opportunity to apply the technical knowledge and skills learned in a Concentrator A or B course through additional real-world learning experiences such as lab activities, project-based learning or a work-based learning experience. Students must be co-enrolled in a Concentrator A and/or B course in order to be enrolled in the Technical Skills Development course.	
Prerequisites/ Corequisites	Application and acceptance - Taken as part of a three-class block at LaPorte County Career and Tech Center. Additional fees may apply	
Course Length/Credits	Two Semesters/One credit per semester	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Healthcare Specialist: CNA 7166 (HC SPEC CNA)		
Career Cluster/ Program of Study	Health & Human Services – Pre Nursing Healthcare Specialist	
NLPS Sequence	Concentrator B	
Course Description	The Healthcare Specialist: CNA 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 training and for health care workers in long-term care facilities.	
Prerequisites/ Corequisites	Application Process – Successful Completion of Principles of Healthcare and Healthcare Fundamentals/Medical Terminology	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Seniors (Year Two of Program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/General Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts as two required STEM-focused credits
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify - HLHS 107: CNA Preparation, HLHS 113: Dementia Care	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Note: This course is taken in year two of the Pre Nursing Program

Healthcare Specialist Capstone 7255 (HC SPEC CAP)		
Career Cluster/ Program of Study	Health & Human Services – Pre Nursing Healthcare Specialist	
NLPS Sequence	Capstone	
Course Description	The capstone course will provide Healthcare students acquire additional knowledge and skills necessary to work in a variety of health care settings beyond a long term care facility, including hospitals, doctor's offices and clinics. Students can accomplish this goal by completing coursework that will cover topics such as Medical Law and Ethics, Electronic Health Records, and/or Behavioral Health. Schools may offer additional healthcare certifications such as the Certified Clinical Medical Assistant or Phlebotomy along with the coursework or in place of the coursework.	
Prerequisites/ Corequisites	Required Prerequisites: Principles of Healthcare; Medical Terminology; Healthcare Specialist: CNA, EMT or Certified Clinical Medical Assistant (CCMA)	
Course Length/Credits	Two Semesters/Two Credits Per Semester/Taken as part of three class block	
Open To	Seniors (Year two of program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger):
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify HLHS 105: Medical Law and Ethics, HLHS 122: Electronic Health Records, HLHS 125: Behavioral Health	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Emergency Medical Services

Health & Human Services Emergency Medical Services							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7168	Principles of Healthcare	5274	Healthcare Fundamentals (formerly Medical Terminology)	7165	Emergency Medical Tech (note: done year two of program)	7255	Healthcare Specialist Capstone

- Healthcare Tech Skills Development 7156 (extra/non-required class for pathway)

Emergency Medical Tech 7165 (EMT)		
Career Cluster/ Program of Study	Health & Human Services – Emergency Medical Services	
NLPS Sequence	Concentrator B	
Course Description	This 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.	
Prerequisites/ Corequisites	Successful completion of Principles of Healthcare and Healthcare Fundamentals or Medical Terminology	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Seniors (Year Two of Program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective or counts as two required STEM-focused credits
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify PARM 102: Emergency Medical Tech	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

CAREER CLUSTER: HOSPITALITY, EVENTS, & TOURISM

Culinary Arts

Hospitality, Events and Tourism Culinary Arts – Baking and Pastry							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7173	Principles of Culinary Arts	7171	Nutrition	7169	Culinary Arts	7233 7235	Culinary Capstone Pastry Capstone

Principles of Culinary and Hospitality 7173 (PRIN HOSP)		
Career Cluster/ Program of Study	Hospitality, Events and Tourism – Culinary Arts – Baking and Pastry	
NLPS Sequence	Principles	
Course Description	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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify HOSP 101: Sanitation-Safety, HOSP 102: Basic Food Theory and Skills	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Nutrition 7171 (FD THRY NUT)		
Career Cluster/ Program of Study	Hospitality, Events and Tourism – Culinary Arts – Baking and Pastry	
NLPS Sequence	Concentrator A	
Course Description	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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify HOSP 104: Nutrition	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Culinary Arts 7169 (CUL ARTS)		
Career Cluster/ Program of Study	Hospitality, Events and Tourism – Culinary Arts – Baking and Pastry	
NLPS Sequence	Concentrator B	
Course Description	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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify HOSP 103: Soups, Stocks, and Sauces; HOSP 105: Intro to Baking	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Baking and Pastry Capstone 7235 (BAKE PSTRY CAP)		
Career Cluster/ Program of Study	Hospitality, Events and Tourism – Culinary Arts – Baking and Pastry	
NLPS Sequence	Capstone	
Course Description	The objective of this course is to help students understand the science of baking and the different reactions that take place based on the ingredients, temperatures, and equipment in relation to the final product. The course requires students to produce and finish a variety of cakes. The course emphasizes application techniques, color coordination, and the flavor and texture of fillings. Students will practice the techniques of basic cake decorating. This course will also address classical French and European desserts, including the preparation of goods such as Napoleons, Gateau St. Honoré, petit fours and petit fours sec, ganaches, pastry creams and fillings, sauces, flans and tarts, and European sponges. The course also includes instruction in tempering of chocolates, molding, and chocolate plastique, preparation of truffles, pastillage and marzipan, short doughs, and meringues. The student will be instructed in the latest preparation methods, innovative ideas for impressive plate presentations, and techniques that utilize specialized equipment and tools to make high-tech, novel creations.	
Prerequisites/ Corequisites	Required Background: Princ of Cul & Hosp; Nutrition; Culinary Arts; application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Seniors (Year Two of program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify HOSP 113: Baking Science; HOSP 111: Yeast Breads	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Culinary Arts Capstone 7233 (CUL ARTS CAP)		
Career Cluster/ Program of Study	Hospitality, Events and Tourism – Culinary Arts – Baking and Pastry	
NLPS Sequence	Capstone	
Course Description	This course covers the techniques and skills needed in breakfast cookery as well as insight into the pantry department. Various methods of preparation of eggs, pancakes, waffles and cereals will be discussed. Students will receive instruction in salad preparation, salad dressing, hot and cold sandwich preparation, garnishes and appetizers. This course also covers the necessary skills for proper recruiting, staffing, training, and management of employees at various levels. The course will help prepare the student for the transition from employee to supervisor. Additionally, it will help the student evaluate styles of leadership, and develop skills in human relations and personnel management.	
Prerequisites/ Corequisites	Required Background: Princ of Cul & Hosp; Nutrition; Culinary Arts; application process	
Course Length/Credits	Two Semesters/Three Credits Per Semester/Taken as part of three class block	
Open To	Seniors (Year Two of program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older):Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify HOSP 106: Pantry and Breakfast; HOSP 207: Customer Service	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

CAREER CLUSTER: MARKETING, SALES, & ENTREPRENEURSHIP

Marketing and Sales

Marketing, Sales, & Entrepreneurship Marketing and Sales					
Principles		**Concentrator A**		**Concentrator B**	
4562	Principles of Business Management	5914	Marketing Fundamentals	5918	Strategic Marketing

Principles of Business Management 4562 (PRIN BUS)		
Career Cluster/ Program of Study	Marketing, Sales, & Entrepreneurship – Marketing and Sales	
NLPS Sequence	Principles	
Course Description	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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger):
Dual Credit Info	Students must complete enrollment through Ivy Tech's Dual Enroll to earn dual credit. (Test scores/GPA qualifiers needed.) – Ivy Tech - BUSN 101: Introduction to Business – 3 credits Note: Students taking in 9th & 10th graders should take Ivy Tech's Knowledge Assessment test this Spring to ensure they are ready/qualify.	

Marketing Fundamentals 5914 (MRKT FUND)		
Career Cluster/ Program of Study	Marketing, Sales, & Entrepreneurship – Marketing and Sales	
NLPS Sequence	Concentrator A	
Course Description	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.	
Prerequisites/ Corequisites		
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Sophomores-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger):
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met. – Ivy Tech - MKTG 101: Principles of Marketing – 3 credits	

Strategic Marketing 5918 (STRT MRKT)		
Career Cluster/ Program of Study	Marketing, Sales, & Entrepreneurship – Marketing and Sales	
NLPS Sequence	Concentrator B	
Course Description	Strategic Marketing builds upon the foundations of marketing and applies the functions of marketing at an advanced level. Students will study the basic principles of consumer behavior and examine the application of theories from psychology, social psychology, and economics. The relationship between consumer behavior and marketing activities will be reviewed.	
Prerequisites/ Corequisites	Required Background: Principles of Business Management and Marketing Fundamentals	
Course Length/Credits	Two Semesters/Two High School Credits/One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older):	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met. Ivy Tech - MKTG 201: Introduction to Market Research, MKTG 230: Consumer Behavior – pending Ivy Tech approval	

CAREER CLUSTER: PUBLIC SERVICE & SAFETY

Criminal Justice

Public Service & Safety Criminal Justice							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7193	Principles of Criminal Justice	7191	Law Enforcement Fundamentals	7188	Corrections and Cultural Awareness	7231	Criminal Justice Capstone

Principles of Criminal Justice 7193 (PRIN CR JUST)		
Career Cluster/ Program of Study	Public Service & Safety – Criminal Justice	
NLPS Sequence	Principles	
Course Description	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.	
Prerequisites/ Corequisites	Application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Vincennes University if requirements are met, contact AK Smith Instructor for info on how to qualify LAWE 100: Survey of Criminal Justice	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Law Enforcement Fundamentals 7191 (LAW ENF CLT AWR)		
Career Cluster/ Program of Study	Public Service & Safety – Criminal Justice	
NLPS Sequence	Concentrator A	
Course Description	Law Enforcement Fundamentals Critically examines the history and nature of the major theoretical perspectives in criminology, and the theories found within those perspectives. Analyzes 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. Demonstrates 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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Vincennes University if requirements are met, contact AK Smith Instructor for info on how to qualify LAWE 101: Basic Police Operations; LAWE 150: Criminal Minds and Deviant Behavior	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Corrections and Cultural Awareness 7188 (CRT CORR)		
Career Cluster/ Program of Study	Public Service & Safety – Criminal Justice	
NLPS Sequence	Concentrator B	
Course Description	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; 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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older):	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Vincennes University if requirements are met, contact AK Smith Instructor for info on how to qualify LAWE 145: Ethics and Professionalism in Criminal Justice	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Criminal Justice Capstone 7231 (CRIM JUST CAP)		
Career Cluster/ Program of Study	Public Service & Safety – Criminal Justice	
NLPS Sequence	Capstone	
Course Description	The Criminal Justice Capstone course allows students to complete additional instruction to earn a postsecondary certificate and should include a work-based learning component such as job shadowing, internship, etc. once the core content is completed. Note that there may be age restrictions on work-based learning components.	
Prerequisites/ Corequisites	Required Background: Princ of CJ; Law Enf Fund; Correct and Cult Awareness; application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Seniors (Year Two of Program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Fire and Rescue

Public Service & Safety Fire and Rescue							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7195	Principles of Fire and Rescue	7189	Fire Fighting Fundamentals	7186	Advanced Fire Fighting	7229	Fire and Rescue Capstone/EMT

Principles of Fire and Rescue 7195 (PRIN PS HAZ AWR)		
Career Cluster/ Program of Study	Public Service & Safety – Fire and Rescue	
NLPS Sequence	Principles	
Course Description	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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older):	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify HSPS 102: Intro to Public Safety & HSPS 106 Fire Suppression	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Fire Fighting Fundamentals 7189 (FIRE FGHT FUN)		
Career Cluster/ Program of Study	Public Service & Safety – Fire and Rescue	
NLPS Sequence	Concentrator A	
Course Description	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 fire fighters 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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify HSPS 122: Hazmat Awareness and Operations; HSPS 165: Fire Fighter I	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Advanced Fire Fighting 7186 (ADV FIRE FGHT)		
Career Cluster/ Program of Study	Public Service & Safety – Fire and Rescue	
NLPS Sequence	Concentrator B	
Course Description	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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Fire and Rescue Capstone/EMT 7229 (FIRE RES CAP)		
Career Cluster/ Program of Study	Public Service & Safety – Fire and Rescue	
NLPS Sequence	Capstone	
Course Description	Fire and Rescue Capstone will prepare students to earn the EMT certification.	
Prerequisites/ Corequisites	Required Background: Princ of Fire; Fire Fight Fund, Adv Fire Fight; application process	
Course Length/Credits	Two Semesters/Three Credits Per Semester/Taken as part of three class block	
Open To	Seniors only (Year Two of program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify PARM 102: Emergency Medical Technician	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

CAREER CLUSTER – SUPPLY CHAIN & TRANSPORTATION

Automotive Services

Supply Chain & Transportation Automotive Services							
Principles		**Concentrator A**		**Concentrator B**		**Capstone**	
7213	Principles of Automotive Services	7205	Brake Systems	7212	Steering and Suspensions	7375	Auto Service Capstone

Principles of Automotive Services 7213 (PRIN AUTO SER)		
Career Cluster/ Program of Study	Supply Chain & Transportation – Automotive Services	
NLPS Sequence	Principles	
Course Description	This course gives students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive industry. Students will study the maintenance and light repair of automotive systems. Also, this course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify AUTI 100: Basic Automotive Service; AUTI 111: Electrical Systems I	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Brake Systems 7205 (AUTO BRK ELE)		
Career Cluster/ Program of Study	Supply Chain & Transportation – Automotive Services	
NLPS Sequence	Concentrator A	
Course Description	This course gives students an in-depth study of vehicle electrical systems. Students will study the fundamentals of electricity and automotive electronics in various automotive systems. Additionally, it 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.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify AUTI 121: Brake Systems	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Steering and Suspension 7212 (ENG PERF)		
Career Cluster/ Program of Study	Supply Chain & Transportation – Automotive Services	
NLPS Sequence	Concentrator B	
Course Description	This course takes an in-depth look at engine performance, including concepts in the diagnosis and repair of ignition, fuel, emission and related computer networks. This course presents engine theory and operation and studies the various engine designs utilized today. This course also takes an in-depth look at engine performance, including advanced concepts in the diagnosis and repair of ignition, fuel, emission and related computer networks. This course presents engine theory and operation and studies the various engine designs utilized today. Hybrid/Alternative fuel technology will also be introduced.	
Prerequisites/ Corequisites	Application Process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify AUTI 122: Steering and Suspension Systems; AUTI 145: Driveline Service	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

Automotive Service Capstone 7375 (AUTO SRV CAP)		
Career Cluster/ Program of Study	Supply Chain & Transportation – Automotive Services	
NLPS Sequence	Capstone	
Course Description	This course further explores important skills and competencies within the Automotive Service Technology Pathway. Topics such as Steering & Suspension, Engine Repair, Climate Control, and Driveline Service. Additionally, Co-Op and Internship opportunities will be available for students.	
Prerequisites/ Corequisites	Required Background: Princ of Auto Serv; Brake Systems; Steering and Suspensions: application process	
Course Length/Credits	Two Semesters/One Credit Per Semester/Taken as part of three class block	
Open To	Seniors (Year Two of Program)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	*Students have opportunity to earn dual credit through Ivy Tech if requirements are met, contact AK Smith Instructor for info on how to qualify AUTI 131: Engine Performance Systems I; AUTI 141: Engine Fundamentals and Repair	

Note: This course is taken off campus through AK Smith Career Center; additional fees apply

English/Language Arts

Placement in HONORS 9/10 and 11 English classes will be based on test scores and other data. Please note that Honors English classes are faster paced and require more intense analysis.

English 9/Honors English 9 1002 (ENG 9)		
Course Description	This class is a study of language, literature, composition, and oral communication with a focus on exploring a wide-variety of genres and their elements. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate for Grade 9 in classic and contemporary literature balanced with nonfiction. Students write short stories, responses to literature, expository and persuasive compositions, research reports, business letters, and technical documents. Students deliver grade-appropriate oral presentations and access, analyze, and evaluate online information.	
Prerequisites/ Corequisites	Recommended successful completion of 8th grade English	
Course Length/Credits	Two Semesters/One Class Period/Two Credits Total	
Open To	Freshmen (Required)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of English graduation requirement.	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the two required English 9 credits
Dual Credit Info	N/A	

English 10/Honors English 10 1004 (ENG 10)		
Course Description	This class is a study of language, literature, composition, and oral communication with a focus on exploring universal themes 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 appropriate for Grade 10 in classic and contemporary literature balanced with nonfiction. Students write short stories, responses to literature, expository and persuasive compositions, research reports, business letters, and technical documents. Students deliver grade-appropriate oral presentations and access, analyze, and evaluate online information.	
Prerequisites/ Corequisites	Recommended Background: Successful Completion of 9th grade English	
Course Length/Credits	Two Semesters/One Class Period/Two Credits Total	
Open To	Required: Sophomores	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of English graduation requirement.	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts for up to two credits of the five required Additional English credits
Dual Credit Info	N/A	

English 11/Honors English 11 1006 (ENG 11)		
Course Description	This class is a study of language, literature, composition, and oral communication with a focus on exploring characterization across universal themes and 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 appropriate for Grade 11 in classic and contemporary literature balanced with nonfiction. American Literature is the basis for this course. Students write fictional narratives, short stories, responses to literature, reflective compositions, historical investigation reports. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.	
Prerequisites/ Corequisites	Successful completion of 10th Grade English	
Course Length/Credits	One or Two Semesters/One Class Period/One or Two Credits Total	
Open To	Juniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills one or two credits of English requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts for up to two credits of the five required Additional English credits
Dual Credit Info	N/A	

English 12 1008 (ENG 12)		
Course Description	English 12 explores a variety of modern and contemporary short stories and books, especially nonfiction pieces. Lessons will focus on examining the purposes for writing, the effectiveness of texts, and the different ways writers share their experiences and ideas. Students will read for various perspectives on issues, engage in meaningful arguments on text interpretations, and will analyze how bringing in context shapes or changes reader understanding and response. Additionally, students will produce written and verbal responses to the readings and discussions, use web tools for sharing ideas, and will practice precise and accurate communication techniques.	
Prerequisites/ Corequisites	Recommended Background: Successful Completion of 11th grade English or equivalent	
Course Length/Credits	One or Two Semesters/One Class Period/One or Two Credits Total	
Open To	Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of English graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts for up to two credits of the five required Additional English credits
Dual Credit Info	N/A	

Genres of Literature: Sports History & Analysis 1036 (GENRES LIT)		
Course Description	Sports History & Analysis is a course which looks to improve a student's traditional English skills through the lens of American sports history. Students will engage in materials which ask them to think critically, analyze information, make comparisons, present verbal arguments, develop written arguments, and produce formal written essays. Students should expect to learn about a wide range of sports. Students will learn about the creation of each sport, sport leagues and their creation, evolution of rules, evolution in game style, financial aspects of sports and their leagues, famous players, and much more!	
Prerequisites/ Corequisites	Recommended Background: English 9 and 10 or teacher approval/grade requirement for Grade 10	
Course Length/Credits	One or Two Semesters/One Class Period/One or Two Credits Total	
Open To	Open to: Sophomores who earned an A in Freshman English; Juniors who received a Semester Grade of at least a B in Sophomore English; Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills one or two credits of English requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts for up to two credits of the five required Additional English credits
Dual Credit Info	N/A	

Speech 1076 (SPEECH)		
Course Description	Speech is the study and application of the basic principles and techniques of effective oral communication. Students deliver focused and coherent speeches that convey clear messages, using gestures, tone, and vocabulary appropriate to the audience and purpose. Students deliver different types of oral and multi-media presentations, including viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Students use the same Standard English conventions for oral speech that they use in their writing.	
Prerequisites/ Corequisites	Suggested completion of English 9 & 10	
Course Length/Credits	One Semester/One Credit	
Open To	Juniors and Seniors – All Juniors in class of 2029 and beyond will take (required)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills one credit of English graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the 1 Communication Focused Course requirement
Dual Credit Info	N/A	

Advanced Speech and Communication 1078 (ADV SPEECH)		
Course Description	Advanced Speech and Communication 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 multi-media presentations, including speeches to inform, to motivate, to entertain, and to persuade through the use of impromptu, extemporaneous, memorized, or manuscript delivery. Course can be offered in conjunction with a composition and literature course, or schools may embed Indiana Academic Standards for English/Language Arts within curriculum. This course prepares students in the liberal arts to communicate effectively with public audiences. Emphasizes oral communication as practiced in public contexts: how to advance reasoned claims in public; how to adapt public oral presentations to particular audiences; how to listen to, interpret, and evaluate public discourse; and how to formulate a clear response.	
Prerequisites/ Corequisites	Required Background: English 10 or 11 and Speech with B or better and letter of rec from English 10 or 11 teacher and GPA of 2.7 or higher	
Course Length/Credits	One Semester/One Class Period/One Credit	
Open To	Juniors and Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 1 credit of English graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the 1 Communication Focused Course requirement
Dual Credit Info	P155 Fundamentals of Public Speaking – IUN – 3 credits – Students must complete registration steps	

Note: Books for the course must be purchased by student prior to start of class. Cost of books is not part of book rental.

Honors English 12 1008 (HON ENG 12)		
Course Description	Instruction and practice in the reading, writing, and critical thinking skills required in college. Emphasis is on written assignments that require synthesis, analysis, and argument based on sources. This is a one-semester course that concentrates on analytical composition based on college-level readings, lecture, and discussion.	
Prerequisites/ Corequisites	ð have a grade average of B or better in English 11 Honors (OR) if the student was not in an advanced English course prior to the senior year, they must have two letters of recommendation from core subject area teachers attesting to the student's readiness for college writing and work expectations. ð have successfully completed English 9 and 10 and one additional year of English credits ð have a minimum cumulative grade point average of 2.7 a 4.0 scale ð have earned adequate scores on a college readiness tests: *have minimum PSAT (2015 and beyond) scores of 430 in the "Evidence-Based Reading & Writing" portion (OR) *have minimum ACT scores of 18 in the "English" portion, and a 21 on the "Reading" portion (OR) *have minimum ACCUPLACER scores of 78 in the 'Reading Comprehension" portion and 86 in "Sentence Skills" ð agree to locate and purchase the required books (about $25 -- $150, depending on where you obtain books & in what condition) ð agree to pay IU for the course ($25 per credit hour for a total of $75 for the class) ð agree to adhere to Indiana University's attendance, conduct and grading policies ð return a signed agreement form"	
Course Length/Credits	One Semester/One Class Period/One Credit	
Open To	Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 1 credit of English graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts for up to one credit of the five required Additional English credits
Dual Credit Info	W131 READING, WRITING, and INQUIRY 1 (English Compostion) – IUN – 3 credits – Students must complete registration steps	

Note: Books for the course must be purchased by student prior to start of class. Cost of books is not part of book rental.

Advanced English College Credit 1124 (ADV ENG CC)		
Course Description	Develops critical skills essential to participation in the interpretive process. Through class discussion and focused writing assignments, introduces the premises and motives of literary analysis and critical methods associated with historical, generic, and/or cultural concerns.	
Prerequisites/ Corequisites	Required Background: English 11 and ENG W131 w/C or above or SAT Reading score or 670 or higher or ACT English score of 32 or higher and GPA of 2.7 or higher	
Course Length/Credits	One Semester/One Class Period/One Credit	
Open To	Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 1 credit of English graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts for up to one credit of the five required Additional English credits
Dual Credit Info	L202 – APPRECIATION OF LITERATURE/LITERARY INTERPRETATION – IUN – 3 credits – Students must complete registration steps	

Note: Books for the course must be purchased by student prior to start of class. Cost of books is not part of book rental.

Fine Arts – Performing Arts

Applied Music 4200 (APPL MUS)		
Course Description	Do you want to get better at your instrument? Applied Music offers high school students the opportunity to receive small group or private instruction designed to develop and refine performance skills in music. Students have a large amount of control over the style of music they choose to perform. The course is open to musicians of all experience levels and all instruments (concert band instruments, guitarists, drummers, etc.). A variety of music methods and repertoire is utilized to refine students' abilities in performing, creating, and responding to music.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One or Two Semesters/One or Two Credits /One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

High School Band 4160 (BAND)		
Course Description	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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	Two Semesters/Two Credits/One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective Credits
Dual Credit Info	N/A	

Music History and Appreciation: Classical Music 4206C (MUS HIST)		
Course Description	Students receive instruction designed to explore Classical Music. 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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Semester/One Credit /One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective Credit
Dual Credit Info	N/A	

Note: This class will be offered again during the 2027-28 academic year.

Music History and Appreciation: The History of Rock and Roll 4206RR (MUS HIST)		
Course Description	Students receive instruction designed to explore popular music (NOT CLASSICAL MUSIC) from World War II to modern times. Students will study major musical styles and periods in the evolution of popular music (rock & roll, British invasion, arena rock, punk, alternative, etc.) 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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Semester/One Credit /One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Music Theory and Composition 4208 (MUS THEORY)		
Course Description	Students develop skills in the analysis of music and theoretical concepts. They 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	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Semester/One Credit /One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older):	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective Credits
Dual Credit Info	N/A	

Theatre Arts (L) 4242 (THTR ARTS)		
Course Description	Students enrolled in Theatre Arts read and analyze plays, create scripts and theatre pieces, conceive scenic designs, and develop acting skills. These activities incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One or Two Semesters/One or Two Credits /One Class Period	
Open To	Sophomores-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

ADVANCED THEATRE ARTS 4240 (ADV THTR)		
Course Description	Students read and analyze plays and apply criteria to make informed judgments. They draw on events and experiences to create scripted monologues and scenes, create scenic designs for existing plays, and build characters through observation, improvisation and script analysis. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore careers in theatre arts and begin to develop a portfolio of their work. They also attend and critique theatre productions and identify ways to support the theatre in their community.	
Prerequisites/ Corequisites	Required Background: Completion of at least one semester of Theatre Arts	
Course Length/Credits	One or Two Semesters/One or Two Credits /One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Fine Arts – Visual Arts

Introduction to Three-Dimensional Art 4002 (3D Art)		
Course Description	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.	
Prerequisites/ Corequisites	Required Background: 2D/Adv. 2D or teacher recommendation	
Course Length/Credits	One Semester (Fall Only)/One Credit /One Class Period	
Open To	Sophomores-Seniors (Freshmen with Approval Form/Teacher Rec)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective Credit
Dual Credit Info	N/A	

Advanced Three-Dimensional Art 4006 (ADV 3D ART)		
Course Description	Advanced Three-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 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 188 Indiana Department of Education High School Course Titles and Descriptions 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.	
Prerequisites/ Corequisites	Recommended: 2D Art; Required Background: Intro to 3D Art	
Course Length/Credits	One Semester (Spring Only)/One Credit /One Class Period	
Open To	Sophomores-Seniors (Freshmen with Approval Form/Teacher Rec)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective Credit
Dual Credit Info	N/A	

Introduction to Two-Dimensional Art 4000 (2D ART)		
Course Description	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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Semester (Fall Only)/One Credit /One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Advanced Two-Dimensional Art 4004 (ADV 2D Art)		
Course Description	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. They identify ways to utilize and support art museums, galleries, studios, and community resources.	
Prerequisites/ Corequisites	Required: Intro to 2D Art	
Course Length/Credits	One Semester (Spring Only)/One Credit /One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Ceramics 4040 (CERAMICS)		
Course Description	Ceramics is 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, 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.	
Prerequisites/ Corequisites	Required Background: 2D/Adv. 2D or teacher recommendation	
Course Length/Credits	One Semester (Fall Only)/One Credit /One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Advanced Ceramics 4040A (ADV CERAMICS)		
Course Description	This course is a continuation of the things learned in Ceramics.	
Prerequisites/ Corequisites	Required Background: Ceramics	
Course Length/Credits	One Semester (Spring Only)/One Credit /One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fine Arts or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective Credit
Dual Credit Info	N/A	

Students wishing to take additional semesters (beyond two) of any Art specific content (2D Art, 3D Art, Ceramics) must fill out an application/approval form with Mrs. Etheridge for consideration.

Digital Design (Yearbook) 4082 (DIG DESIGN)		
Course Description	This class is designed to teach the skills necessary to produce the school yearbook which will offer a last product for the student body. The class will be setting the theme for the book and then creating a magazine-like look for the production. Students will learn and produce their own design techniques, creatively write, create headlines, and produce high quality photos for the book. This class will look at ad sale techniques from major companies through television and internet media before doing sales of their own. Students will create an ad campaign for the book and will use it to sell the book. At times, deadlines require that staff members work after school and on weekends to complete the book. By the end of the year, students will: be better creative writers and have a usable college writing portfolio, be familiar with various types of advanced design software, learn about advanced photography, and combine the two together for a lasting product. The yearbook is a constantly improving product at SC and looks great on resumes!	
Prerequisites/ Corequisites	Required: Application, Decent grades in English	
Course Length/Credits	Two Semesters/Two Credits/One Class Period	
Open To	Sophomores-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Directed Elective, Fine Arts for AHD	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: Students who are members of the Yearbook class will get free entry into all South Central Home Extracurricular events.

Health/Physical Education

Health and Wellness Education 3506 (HLTH & WELL)		
Course Description	Health & Wellness 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 health 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, 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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Semester/One Credit/One Class Period	
Open To	Required: Sophomores	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Meets Health & Wellness graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the one required Health and Wellness credit requirement
Dual Credit Info	N/A	

Physical Education I 3542 (PHYS ED)		
Course Description	Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provide 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 which are within the framework of lifetime physical activities and fitness.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Semester/One Credit /One Class Period	
Open To	Required: Freshmen	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills part of Physical Education graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills Physical Education graduation requirement
Dual Credit Info	N/A	

Note: Physical Education II (3544) is still a requirement for the Class of 2028 and older, but will no longer be offered in the traditional setting. Students still needing that credit can obtain it via the Virtual Lab.

Elective Physical Education 3560 (ELECT PE)		
Course Description	This class will focus on being in the weight room and tracking lifting exercises to be able to improve on weight lifting throughout the year. This course 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 fitness, strength, and speed development and provides an opportunity for an in-depth study in one or more specific areas. It 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.	
Prerequisites/ Corequisites	Required Background: PE I & PE II, Varsity Letter or at least 2.8 GPA – Class of 2028 and Older Required Background: PE I, Varsity Letter or at least 2.8 GPA – Class of 2029 and Younger	
Course Length/Credits	One or Two Semesters/One or Two Credits/One Class Period	
Open To	Sophomores-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: Enrollment will be capped at 28 students with upperclassmen having dibs.

Elective PE – Officiating 3560		
Course Description	Program presents students with opportunities and resources to prepare our next generation of officials by developing communication, management and leadership skills. Once students have completed the course and accompanying exam, they are eligible to receive a Provisional Officials License.	
Prerequisites/ Corequisites	Successful completion of PE I (and PE II for Class of 2028 and older) Recommended familiarity with the sports covered.	
Course Length/Credits	One Semester/One High School Credit/One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Mathematics

** Students will be placed in Math classes based on the recommendation of the Math Department.

Algebra I 2520 (ALG I)		
Course Description	Algebra I formalizes and extends the mathematics that students learned in the middle grades. Five critical areas comprise Algebra I: Relations and Functions; Linear Equations and Inequalities; Quadratic and Nonlinear Equations; Systems of Equations and Inequalities; and Polynomial Expressions. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content 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.	
Prerequisites/ Corequisites	Recommended Background: Successful completion of JH Math	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Freshmen (JH students by recommendation of GT committee)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of Mathematics graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills the 2 credits of Algebra I requirement for all diplomas
Dual Credit Info	N/A	

Geometry 2532 (GEOM)		
Course Description	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. These critical areas comprise the Geometry course: Congruency and Similarity; Measurement; Analytic Geometry; Circles; and Polyhedra. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school CCSS. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that develops their ability to make sense of problem situations.	
Prerequisites/ Corequisites	Required Background: Algebra	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Freshmen.-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of Mathematics graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills 2 Credits of the Additional Math credits for all diplomas and REQUIRED for Enrollment Seal
Dual Credit Info	N/A	

Algebra II 2522 (ALG II)		
Course Description	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 mastery of quadratic equations and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that develops use of their ability to make sense of problem situations.	
Prerequisites/ Corequisites	Required Background: Algebra I & Geometry and teacher approval	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Sophomores-Seniors typically	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of Mathematics graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills 2 Credits of the Additional Math credits for all diplomas and REQUIRED for Enrollment Seal
Dual Credit Info	N/A	

Analytic Algebra II 2524 (ANA ALG)		
Course Description	Analytical Algebra II builds on previous work with linear, quadratic and exponential functions and extends to include polynomial, rational, radical, logarithmic, and other functions. Data analysis, statistics, and probability content should be included throughout the course, as students collect and use univariate and bivariate data to create and interpret mathematical models. Additionally, Analytical Algebra II should focus on the application of mathematics in various disciplines including business, finance, science, career and technical education, and social sciences, using technology to model real-world problems with various functions, using and translating between multiple representations. 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 develops their ability to make sense of problem situations. This course is not recommended for students interested in pursuing a STEM degree at a four-year institution; this course does not prepare students for Pre Calculus/Trigonometry. If students use this course to fulfill the Algebra 2 credit requirement, the parent and student must sign a consent form notifying the parent and the student that enrollment in Analytical Algebra II may affect the student's ability to attend a particular post-secondary educational institution or enroll in a particular course at a particular post-secondary educational institution because Analytical Algebra II may not align with academic requirements established by the postsecondary educational institution	
Prerequisites/ Corequisites	Required Background: Algebra I, Geometry, and teacher and parent approval	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Juniors-Seniors typically	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of Mathematics graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills 2 Credits of the Additional Math credits for all diplomas
Dual Credit Info	N/A	

Pre-Calculus: Algebra 2564 (PRECAL AL)		
Course Description	Pre-Calculus extends the foundations of algebra and functions developed in previous courses to new functions, including exponential and logarithmic functions, and to higher-level sequences and series. Pre-Calculus is made up of four strands: Functions in general; Quadratic, Polynomial, and Rational Equations and Functions; Exponential and Logarithmic Equations and Functions; and Parametric Equations. Students will also advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates. 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 Process Standards for Mathematics apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that develops their ability to make sense of problem situations	
Prerequisites/ Corequisites	Required Background: Algebra I & II and Geometry	
Course Length/Credits	One Semester/One High School Credit/One Class Period	
Open To	Juniors-Seniors typically	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 1 credit of Mathematics graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills 1Credit of the Additional Math credits for all diplomas and one (of two) advanced Math credits REQUIRED for Enrollment Seal
Dual Credit Info	Note: Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit and meet qualifying requirements. Ivy Tech – Math 136 – College Algebra – 3 credits	

Pre-Calculus: Trigonometry 2566 (PRECAL TRI)		
Course Description	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 many disciplines, including music, engineering, medicine, and finance (and nearly all other STEM disciplines). Trigonometry consists of seven strands: Conics, Unit Circle, Geometry, Periodic Functions, Identities, Polar Coordinates, and Vectors. Students will also advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates. The Process Standards for Mathematics apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that improves their ability to make sense of problem situations	
Prerequisites/ Corequisites	Required Background: Algebra I & II and Geometry	
Course Length/Credits	One Semester/One High School Credit/One Class Period	
Open To	Juniors-Seniors typically	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 1 credit of Mathematics graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills 1 Credit of the Additional Math credits for all diplomas and option for one (of two) advanced Math credits REQUIRED for Enrollment Seal
Dual Credit Info	Note: Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit and meet qualifying requirements. Ivy Tech – Math 137 – Trigonometry with Analytic Geometry – 3 credits	

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Quantitative Reasoning 2550 (QUANT REAS)		
Course Description	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 strengthens their ability to make sense of problem situations	
Prerequisites/ Corequisites	Required Background: Algebra I and II and Geometry	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Juniors-Seniors typically	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of Mathematics graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills 2 Credits of the Additional Math credits for all diplomas and option for two advanced Math credits REQUIRED for Enrollment Seal
Dual Credit Info	Note: Students must complete enrollment through Dual Enroll through Ivy Tech to earn dual credit and meet qualifying requirements. Ivy Tech – Math 123 – Quantitative Reasoning – 3 credits	

AP Statistic 2570 (AP STAT)		
Course Description	AP Statistics 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 AP Statistics course is equivalent to a one-semester, introductory, noncalculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.	
Prerequisites/ Corequisites	Required Background: Algebra I & II and Geometry	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Juniors and Seniors typically Note: Teacher approval is highly recommended	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of Mathematics graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills 2 Credits of the Additional Math credits for all diplomas and option for two advanced Math credits REQUIRED for Enrollment Seal
Dual Credit Info	Visit the websites below to figure out how the dual credits you have earned while in High School transfer to different colleges and what AP Exam Scores are needed to award college credit. https://transferin.net/earned-credits/core-transfer-library/ https://transferin.net/ways-to-earn-credit/ap-courses/	

AP Calculus AB 2562 (CALC AB AP)		
Course Description	Calculus AB, Advanced Placement is a course based on content established by the College Board. Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Topics include: (1) functions, graphs, and limits; (2) derivatives; and (3) integrals. Technology should be used regularly by students and teachers to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results. A comprehensive description of this course can be found on the College Board AP Central Course Description web page at: http://apcentral.collegeboard.com/apc/public/repository/ap-calculus-course-description.pdf	
Prerequisites/ Corequisites	Required Background: Algebra I & II, Geometry, and Pre-Calculus	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Juniors and Seniors typically Note: Teacher approval is highly recommended	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of Mathematics graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills 2 Credits of the Additional Math credits for all diplomas and option for two advanced Math credits REQUIRED for Enrollment Seal
Dual Credit Info	Visit the websites below to figure out how the dual credits you have earned while in High School transfer to different colleges and what AP Exam Scores are needed to award college credit. https://transferin.net/earned-credits/core-transfer-library/ https://transferin.net/ways-to-earn-credit/ap-courses/	

Science Courses

Biology I (L) 3024 (BIO I)		
Course Description	Biology I is a course based on the following core topics: cellular chemistry, structure and reproduction; matter cycles and energy transfer; interdependence of organisms; molecular basis of heredity; genetics and evolution. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.	
Prerequisites/ Corequisites	Recommended Background: Successful completion of JH Science	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Freshmen – Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills Biology graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills Biology graduation requirement (2 credits)
Dual Credit Info	N/A	

Earth Space Science (L) 3044 (ESS)		
Course Description	Earth and Space Science I is a course focused on the following core topics: study of the earth's layers; atmosphere and hydrosphere; structure and scale of the universe; the solar system and earth processes. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.	
Prerequisites/ Corequisites	Recommended Background: Successful completion of JH Science	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Freshmen – Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills Science credits.	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts as Additional 2 Science credits
Dual Credit Info	N/A	

Integrated Chemistry-Physics (L) 3108 (ICP)		
Course Description	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	
Prerequisites/ Corequisites	Recommended Background: Completion of JH Science and Teacher Recommendation	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Freshmen – Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credit requirement of Chemistry, ICP, or Physics and/or a Physical Science requirement • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the 2 Additional Science Credits Requirement and is considered a Lab Science or 2 STEM-focused credits
Dual Credit Info	N/A	

Note: This course will not be offered during the 2026-27 school year.

Chemistry I (L) 3064 (CHEM I)		
Course Description	Chemistry I is a course based on the following core topics: properties and states of matter; atomic structure; bonding; chemical reactions; solution chemistry; behavior of gases, and organic chemistry. Students enrolled in Chemistry I compare, contrast, and synthesize useful models of the structure and properties of matter and the mechanisms of its interactions. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.	
Prerequisites/ Corequisites	Required Background: Biology I	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Sophomores – Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credit requirement of Chemistry, ICP, or Physics • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the 2 STEM-focused credits or 2 Additional Science Credits Requirement and REQUIRED for Enrollment Seal
Dual Credit Info	N/A	

Advanced Science, Special Topics Zoology (L) 3092 (ADV SCI ST – ZOOLOGY)		
Course Description	Advanced Science, Special Topics is any science course that is grounded in extended laboratory, field, and literature investigations in one or more specialized science disciplines, in this case – Zoology. Students enrolled in this course engage in an in-depth study of Zoology. Students will learn about the structure and physiology of animals in all the major animal phyla, how life forms have changed through time and how organisms interact in various ecological systems. Laboratory activities will center around critical thinking activities and dissections. Under the direction of a science advisor, students enrolled in this course will complete an end-of-course project and presentation, such as a scientific research paper, integrating knowledge, skills, and concepts from the student's course of study. Individual projects are preferred, but group projects may be appropriate if each student in the group has specific and unique responsibilities.	
Prerequisites/ Corequisites	Required Background: Biology I & Chemistry 1	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Juniors and Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of Science graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the 2 Additional Science Credits Requirement or 2 STEM-focused credits and can count 2 credits of Advanced Lab Science for Enrollment Seal
Dual Credit Info	N/A	

NOTE THAT THE DESCRIPTION FOR ANATOMY & PHYSIOLOGY CAN BE FOUND UNDER THE CAREER CLUSTER: HEALTH and HUMAN SERVICES

Chemistry II (L) 3066 (CHEM II)		
Course Description	Chemistry II is an extended laboratory, field, and literature investigations-based course. Students enrolled in Chemistry II examine the chemical reactions of matter in living and nonliving materials. Based on the unifying themes of chemistry and the application of physical and mathematical models of the interactions of matter, students use the methods of scientific inquiry to answer chemical questions and solve problems concerning personal needs and community issues related to chemistry.	
Prerequisites/ Corequisites	Required Background: Must have earned at least C's in Biology I & Chemistry 1	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Juniors and Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of Science graduation requirement • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the 2 STEM-focused credits or 2 Additional Science Credits Requirement and can count 2 credits of Advanced Lab Science for Enrollment Seal
Dual Credit Info	N/A	

AP Biology (L) 3020 (BIO AP)		
Course Description	AP Biology is a course based on the content established by the College Board. 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. A comprehensive description of this course can be found on the College Board AP Central Course Description webpage at: http://apcentral.collegeboard.com/apc/public/courses/descriptions/index.html	
Prerequisites/ Corequisites	Required Background: Must have earned at least C's in Biology I & Chemistry 1 and achieved a passing Biology ILEARN score, show AP Potential (shown on College Board account), or teacher approval	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Juniors and Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of Science graduation requirement • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Counts as two STEM-focused credits or 2 additional Science credits and can count as Lab Science for Enrollment Seal
Dual Credit Info	Visit the websites below to figure out how the dual credits you have earned while in High School transfer to different colleges and what AP Exam Scores are needed to award college credit. https://transferin.net/earned-credits/core-transfer-library/ https://transferin.net/ways-to-earn-credit/ap-courses/	

Physics I (L) 3084 (PHYS)		
Course Description	Physics I is a course focused on the following core topics: motion and forces; energy and momentum; temperature and thermal energy transfer; electricity and magnetism; vibrations and waves; light and optics. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.	
Prerequisites/ Corequisites	Required Background: Excellent grade in Algebra II, and Pre Calculus/Trigonometry (can be concurrent)	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Typically Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credit requirement of Chemistry, ICP, or Physics or Science • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the 2 STEM-Focused credits or 2 Additional Science Credits Requirement and can count 2 credits of Advanced Lab Science for Enrollment Seal
Dual Credit Info	N/A	

Note: This course is taken online in our Virtual Lab

Social Studies

World History and Civilization 1548 (WLD HST/CVL)		
Course Description	World History emphasizes events and developments in the past that have greatly affected large numbers of people across broad areas and that have 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 skills and process 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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Required: Sophomores	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills Geography or World History & Civ. graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets the requirement for 2 World Perspective credits; Can count toward required Social Studies credits for Enrollment Seal
Dual Credit Info	N/A	

United States History (1877 to Present) 1542 (US HIST)		
Course Description	United States History 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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Required: Juniors (may take APUSH instead)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills US History graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets requirement for 2 U.S. History credits for all diplomas
Dual Credit Info	N/A	

AP US History 1562 (AP US HIST)		
Course Description	This course is based on the content established and copyrighted by the College Board. AP United States History focuses on developing students' abilities to think conceptually about U.S. history from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance — identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture — provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places.	
Prerequisites/ Corequisites	Recommended Background: PSAT Scores that predict AP Potential Students should be able to read a college level textbook and write grammatically correct, complete sentences, as writing is a large component of this course.	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Open To: Juniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills US History graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Meets requirement for 2 U.S. History credits for all diplomas
Dual Credit Info	Visit the websites below to figure out how the dual credits you have earned while in High School transfer to different colleges and what AP Exam Scores are needed to award college credit. https://transferin.net/earned-credits/core-transfer-library/ https://transferin.net/ways-to-earn-credit/ap-courses/	

Economics 1514 (ECON)		
Course Description	Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course analyzes economic reasoning used by consumers, producers, savers, investors, workers, voters, and government in making decisions. Key elements of the course include study of scarcity and economic reasoning, supply and demand, market structures, role of government, national income determination, the role of financial institutions, economic stabilization, and trade. Students will 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. The functions of government in a market economy and market structures will be examined. Students will understand economic performance, money, stabilization policies, and trade of the United States. The behavior of people, societies and institutions and economic thinking is integral to this course. Note: This class is taught using blended learning, which means the student will learn, in part, through delivery of content and instruction via digital and online media with some element of student control over time, place, path, or pace. This style of learning will benefit students that plan to continue their education through college or trade school as many of those courses are now moving to online components.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Semester/One Credit/One Class Period	
Open To	Required: Seniors – Core 40, AHD, THD for Class of 2028 and Older Seniors – Class of 2029 and Younger	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills Economics graduation requirement for Core 40, AHD, THD • Qualifies as a quantitative reasoning course	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective; Can count toward required Social Studies credits for Enrollment Seal
Dual Credit Info	N/A	

United States Government 1540 (US GOVT)		
Course Description	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. How the United States interacts with other nations and the government's role in world affairs will be examined. A focus on American interactions with other nations, and the government's role in world affairs, will also be included. Using primary and secondary resources, students 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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Semester/One Credit/One Class Period	
Open To	Required: Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills Government graduation requirement	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Fulfills U.S. Government diploma requirement
Dual Credit Info	N/A	

Ethnic Studies 1516 (ETH STUDIES)		
Course Description	This class 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. This course may also include analysis of the political impact of ethnic diversity in the United States.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Semester/One Credit/One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: This course is offered in our Virtual Lab

Indiana Studies 1518 (IN STUDIES)		
Course Description	Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and student will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One Semester/One Credit/One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: This course would be offered online from an outside provider. Additional fees apply.

Work Based Learning

Career Exploration Internship 0530 (CARR EXP) WORK BASED LEARNING		
Course Description	The Career Exploration Internship course is a paid or unpaid work experience in the public or private sector that provides for workplace learning in an area of student career interests. Unlike the work-based Learning capstone course in which students gain expertise in a specific occupation, the career exploration internship is intended to expose students to broad aspects of a particular industry or career cluster area by rotating through a variety of work sites or departments. In addition to their workplace learning activities, students participate in 1) regularly scheduled meetings with their classroom teacher, or 2) a regularly scheduled seminar with the teacher for the purpose of helping students make the connection between academic learning and their work-related experiences. Specific instructional standards tied to the career cluster or pathway and learning objectives for the internship must be written to clarify the expectations of all parties – the student, parent, employer, and instructor.	
Prerequisites/ Corequisites	Application Process – See Mrs. Barnes for more information	
Course Length/Credits	One-Three Credits per semester/One -Three Class Periods/Two Semesters Required (Note: Exceptions determined/made on a case by case basis)	
Open To	Seniors only	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

Note: This course will fulfill Box 2 Employability Skills for the Graduation Pathway requirement.

World Languages

German I 2040 (GER I)		
Course Description	German I 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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Open To: 8th Grade-Seniors (8th Graders must have a B average or higher in English to sign up – semester grades must be a C- or higher for 8th graders to continue taking it and receive the high school credit)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of World Language requirement for AHD or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective; Counts as 2 of the required 4 credits of World Languages (all 4 credits MUST be in same World Language) for the Enrollment Seal
Dual Credit Info	N/A	

German II 2042 (GER II)		
Course Description	German II 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.	
Prerequisites/ Corequisites	Recommended Background: C- or better in German I	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Freshmen-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of World Language requirement for AHD or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective; Counts as 2 of the required 4 credits of World Languages (all 4 credits MUST be in same World Language) for the Enrollment Seal
Dual Credit Info	N/A	
German III 2044 (GER III)		
Course Description	German III 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.	
Prerequisites/ Corequisites	Recommended Background: C- or better in German II	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Sophomores-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of World Language requirement for AHD or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective; Can count as 2 required World Perspective credits
Dual Credit Info	N/A	

German IV 2046 (GER IV)		
Course Description	German IV 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.	
Prerequisites/ Corequisites	Recommended Background: C- or better in German III and approval from German teacher	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger):): Personalized Elective; Can count as 2 required World Perspective credits
Dual Credit Info	N/A	

Spanish I 2120 (SPAN I)		
Course Description	Spanish I 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.	
Prerequisites/ Corequisites	None	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Open To: 8th Grade-Seniors (8th Graders must have a B average or higher in English to sign up – semester grades must be a C- or higher for 8th graders to continue taking it and receive the high school credit)	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of World Language requirement for AHD or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective; Counts as 2 of the required 4 credits of World Languages (all 4 credits MUST be in same World Language) for the Enrollment Seal
Dual Credit Info	N/A	

Spanish II 2122 (SPAN II)		
Course Description	Spanish II 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.	
Prerequisites/ Corequisites	Recommended Background: C- or better in Spanish I	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Freshmen –Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of World Language requirement for AHD or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective; Counts as 2 of the required 4 credits of World Languages (all 4 credits MUST be in same World Language) for the Enrollment Seal
Dual Credit Info	N/A	

Spanish III 2124 (SPAN III)		
Course Description	Spanish III 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.	
Prerequisites/ Corequisites	Recommended Background: C- or better in Spanish II	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Sophomores-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Fulfills 2 credits of World Language requirement for AHD or Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective; Can count as 2 required World Perspective credits
Dual Credit Info	N/A	

Spanish IV 2126 (SPAN IV)		
Course Description	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.	
Prerequisites/ Corequisites	Required Background: Approval from Spanish teacher	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Juniors-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective/Directed Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective; Can count as 2 required World Perspective credits
Dual Credit Info	N/A	

Other

Study Hall 9998		
Course Description	Students will be expected to have something to work on quietly each day during study hall.	
Prerequisites/ Corequisites	None	
Course Length/Credits	One or Two Semesters/Zero Credits/One Class Period	
Open To	7th Grade-Seniors	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): No credits	Indiana Diploma and Readiness Seals (Class of 2029 and younger): No credits
Dual Credit Info	N/A	

Basic Skills 0500 (BAS SKLS)		
Course Description	Basic Skills Instruction is supplemental instruction in either Language Arts Literacy or Mathematics based on each student's needs. Instruction and support are provided in the basic concepts and skills that students need in order to be successful in their classroom. This course will provide instruction for individuals in secondary-level reading, writing, computation, and problem-solving skills in order to assist them in achieving their academic, career, and personal goals. A student may only take this class if determined as a result of an IEP and/or Case Conference Decision. Materials needed: Students should bring pencil, paper, calculator, and any homework they have additional questions or concerns over.	
Prerequisites/ Corequisites	Required: Recommendation by Case Conference	
Course Length/Credits	Two Semesters /Two High School Credits/One Class Period	
Open To	Freshman-Seniors, placement is determined by IEP and/or Case Conference	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Personalized Elective
Dual Credit Info	N/A	

WBL Aiding 0530		
Course Description	WBL Aiding will be offered as a structured Work-Based Learning credit designed to develop employability skills through supervised service within the school setting. All student aides will participate in a shared Canvas classroom and complete a minimal, standardized set of assignments aligned with core employability competencies, such as professionalism, communication, responsibility, and workplace problem-solving. Students will maintain simple hour logs documenting their activities and time spent in their placement. Supervising teachers will provide periodic feedback confirming participation and engagement. The goal of WBL Aiding is to ensure that all aide placements provide meaningful skill development rather than functioning as unstructured free time. To qualify for WBL Aiding credit, students must have sufficient time remaining in the term to complete the required competencies and minimum hour expectations. A cutoff date, such as the end of the first 9-week grading period (10/10 this year), may be used to determine eligibility. When these conditions cannot reasonably be met, Study Hall may be used as an alternative placement.	
Prerequisites/ Corequisites	Required: C- or better in all classes from the previous semester; Approval of Principal, good attendance and behavior record	
Course Length/Credits	One or Two Semesters/One or Two Credits/One Class Period	
Open To	Juniors-Seniors ONLY	
Counts Toward	Core 40/AHD/THD (Class of 2028 and older): Elective	Indiana Diploma and Readiness Seals (Class of 2029 and younger): Elective
Dual Credit Info	N/A	