



We Are Your Schools

ACADEMIC COURSES & CAREER HANDBOOK

2023-24

www.fortwayneschools.org



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ACADEMIC COURSES & **CAREER** HANDBOOK

www.fortwayneschools.org

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HIGH SCHOOL CONTACT INFORMATION

2023-24

School Name & Phone Number



FWCS Career Academy
260.467.1010

Contact & Title

Jesse Webb, *Principal*
Grady Pruitt, *Assistant Principal*
Sandy Adams, *Assistant Principal*
Tamara Searer-Jenkins, *Guidance Counselor*



North Side High School
260.467.2800

David West, *Principal*
Ashley Finneran, *Assistant Principal*
Matt Liepold, *Guidance Coordinator*



Northrop High School
260.467.2300

Adam Swinford, *Principal*
Katie Jackson, *Assistant Principal*
Robb Robison, *Assistant Principal*
Dante Lowery, *Guidance Coordinator*



Snider High School
260.467.4600

Chad Hissong, *Principal*
Angela Lockhart, *Assistant Principal*
Derek Leininger, *Assistant Principal*
Adrienne Shroyer, *Guidance Coordinator*



South Side High School
260.467.2600

Zachary Harl, *Principal*
April Castator, *Assistant Principal*
Christina McKinnis, *Guidance Coordinator*

HIGH SCHOOL CONTACT INFORMATION

2023-24

School Name & Phone Number



**Fort Wayne Virtual
Academy**
260.467.7550



Wayne High School
260.467.6400

Wayne New Tech
260.467.6400

AMP LAB
AT ELECTRIC WORKS

**Amp Lab at Electric
Works**
260.467.7285

Contact & Title

Byron Brown, *Principal*
Matthew Lockman, *Guidance Counselor*

John Houser, *Principal*
Chuck DeFord, *Assistant Principal*
Ron Wilkins, *Curriculum & Scheduling Guidance
Coordinator*

Emily Oberlin, *Director*
Rachel Achenbach, *Guidance Counselor*

Riley Johnson, *Director*

Additional Contact information

**Family and Community
Engagement Center**

Transportation

FWCS Website

Phone Number

260.467.2120

260.467.1900

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INFORMATION REGARDING ALL INDIANA DEPARTMENT OF EDUCATION HIGH SCHOOL DIPLOMA REQUIREMENTS

CORE 40 (40 Total State Credits Required)

Core 40 requirements involve five directed electives in one or more of the following:

World Languages/Fine Arts/Career & Technical Education (CTE).

Courses offered in all FWCS high schools include:

- Spanish/French
- Band (Beg, Int, Adv)
- Orchestra (Beg, Int, Adv)
- Vocal Music (Beg, Int, Adv, Show Choir)
- Intro to 2-D
- Intro to 3-D
- Ceramics

****Core 40 requirements involve six elective credits that are recommended to be in a college and career pathway course.**

These courses are part of our career-focused **Next Level Program of Study** courses.

CORE 40 WITH ACADEMIC HONORS (Minimum 47 Total State Credits Required)

Complete all requirements for Core 40.

*Core 40 with Academic Honors requirements involve 6-8 Core 40 world language credits (six credits in one language or four credits each in two languages), as well as two Core 40 fine arts credits.

Courses offered in all FWCS high schools include, but are not limited to:

- Spanish/French
- Band (Beg, Int, Adv)
- Orchestra (Beg, Int, Adv)
- Vocal Music (Beg, Int, Adv, Show Choir)
- Intro to 2-D
- Intro to 3-D
- Ceramics

INFORMATION REGARDING ALL INDIANA DEPARTMENT OF EDUCATION HIGH SCHOOL DIPLOMA REQUIREMENTS

CORE 40 WITH ACADEMIC HONORS (Cont.)

** Core 40 with Academic Honors requirements involve six elective credits that are recommended enrollment in a college and career pathway course. These courses are part of our career-focused **Next Level Program of Study** courses.

Students must:

- **Earn a grade of a “C” or better in courses that count toward the diploma.**
- **Have a grade point average of a “B” or better.**
- **Complete one of the following:**
 - A. Earn four credits in 2 or more AP courses AND take the corresponding AP Exam.
 - B. Earn six verifiable transcribed college credits from the approved dual credit list in dual credit courses.

CORE 40 WITH ACADEMIC HONORS (Cont.)

c. Earn two of the following:

1. Minimum of three verifiable transcribed college credits from the approved dual credit list.
2. 2 credits in AP courses and corresponding AP exams.
3. 2 credits in IB standard level courses and corresponding IB exams.

- D. Earn a composite score of 1250 or higher on SAT - minimum 560 - Math; 590 on EWR
- E. Earn an ACT composite score of 26 or higher and complete the written section.
- F. Earn 4 credits in IB courses and take corresponding IB exams.

INFORMATION REGARDING ALL INDIANA DEPARTMENT OF EDUCATION HIGH SCHOOL DIPLOMA REQUIREMENTS

CORE 40 WITH TECHNICAL HONORS (Minimum 47 State Credits Required)

Complete all requirements for Core 40.

*Core 40 requirements involved five directed electives in one or more of the following: World Languages/Fine Arts/Career & Technical Education (CTE). Courses offered in all FWCS high schools include:

- Spanish/French
- Band (Beg, Int, Adv)
- Orchestra (Beg, Int, Adv)
- Vocal Music (Beg, Int, Adv, Show Choir)
- Intro to 2-D
- Intro to 3-D
- Ceramics

Earn a grade of “C” or better in courses that will count toward the diploma.

Have a grade point average of a “B” or better.

CORE 40 WITH TECHNICAL HONORS (Cont.)

Earn six credits in college and career preparation courses in a state-approved College & Career Pathway and one of the following:

- Pathway designated industry-based certification or credential, or
- Pathway dual credits from the approved dual credit list results in six transcribed college credits.

Complete one of the following:

- Any one of the options (A-F) of the Core 40 Academic Honors.
- Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.

CAREER CLUSTERS

Indiana's economy has a skills gap. Currently, 58% of the jobs in Indiana require more than a high school diploma but less than a four-year degree. Only 47% of the Indiana workforce is trained to this level.

This career cluster framework helps students discover their interests and passions by empowering them to choose the educational pathway that can lead to a future career.

Career Clusters can help students better focus their education plans to fulfill the demands of their future career pathways.



The Sixteen Career Clusters



Agriculture, Food & Natural Resources



Architecture & Construction



Arts, A/V Technology & Communications



Business Management & Administration



Education & Training



Finance



Government & Public Administration



Health Sciences



Hospitality & Tourism



Human Services



Information Technology



Law, Public Safety, Corrections & Security



Manufacturing



Marketing



Science, Technology, Engineering & Mathematics



Transportation, Distribution & Logistics

AGRICULTURE, FOOD & NATURAL RESOURCES



Agriculture, Food & Natural Resources

The Agriculture, Food and Natural Resources cluster is about using your love of science, the environment or animals to prepare for careers that involve improving the quality and safety of food, cultivating and preserving our natural resources, and caring for animals.

Careers in this Career Cluster

- Agribusiness Systems
- Animal Systems
- Nursery and Greenhouse Manager
- Food Products & Processing Systems
- Natural Resources Systems
- Plants Systems
- Power, Structural & Technical Systems
- Architecture & Construction

Average Salary range

\$18,710 - \$116,840

College Majors

- Plant & Food Science
- Agricultural Economics
- Agribusiness/Agricultural Business Management
- Animal Training
- Agricultural Communications
- Animal Health
- Landscaping and Groundskeeping
- Chemistry, Biology, Microbiology, Physics

Occupations Related to Pathway

- Bank/Loan Office for Agriculture
- Dog/Pet Grooming
- Animal Scientists
- Agricultural Engineers
- Agricultural Products Buyer/Distributor
- Agricultural Economist
- Sales Manager
- Biological Technicians

ARCHITECTURE & CONSTRUCTION



Architecture & Construction

The Architecture and Construction cluster is about using your skills in design, planning and management to work in careers building and maintaining structures such as buildings, homes, bridges, or machinery. Work opportunities include developing new structures, restorations, additions, alterations, and repairs. Construction is the pathway with the highest number of employment opportunities.

Careers in this Career Cluster

- Construction
- Design/Pre-Construction
- Maintenance/Operations

Average Salary range

\$23,940 - \$84,410

College Majors

- Construction Trade
- Architecture
- Construction Engineering
- Real Estate Development

Occupations Related to Pathway

- Brickmasons
- Crane and Tower Operators
- Sheet Metal Worker
- Roofer, Construction Managers



ARTS, A/V TECHNOLOGY & COMMUNICATION



Arts, A/V Technology & Communication

The Arts, A/V Technology and Communications cluster is about flexing your creativity, design, writing, performing, and multimedia skills. Prepare for careers from graphic design to broadcast journalism through a focus on advanced technologies used in venues including corporate boardrooms, hotels and convention centers, classrooms, and museums.

Careers in this Career Cluster

- A/V Technology & Film
- Journalism & Broadcasting
- Producers and Directors
- Printing Technology
- Telecommunications
- Graphic Designers

Average Salary range

\$24,220 - \$83,000

College Majors

- Environmental Design
- Journalism
- Museology/Museum Studies
- Music
- Physics
- Visual and Performing Arts, General
- Graphic Communications

Occupations Related to Pathway

- Actors
- Editors
- Graphic Designer
- Musician and Singers
- Dancers
- News Anchor
- Photographer

BUSINESS MANAGEMENT & ADMINISTRATION



Business Management & Administration

Business Management and Administration careers use your organizational and leadership skills to prepare for careers where you plan, direct and evaluate operations to run a successful business. There are a variety of career opportunities available including hiring staff, analyzing data and launching your own start-up.

Careers in this Career Cluster

- Administrative Support
- Business Information Management
- General Management
- Human Resources Management
- Operations Management

Average Salary range

\$22,480 - \$171,610

College Majors

- Accounting
- Business Administration
- Computer Science
- Economics
- Design and Applied Arts
- Marketing

Occupations Related to Pathway

- Bank/Loan Office
- Data Entry Keyers
- Fundraisers
- Compliance Managers
- Loss Prevention Managers
- Chief Executives

EDUCATION & TRAINING



Education & Training

The Education and Training career cluster includes teacher, tutor and instructor roles. This area also employs counselors, school psychologists and speech-language pathologists who offer support and guidance to students. This career cluster may be of interest to people who have strong leadership skills or want to act as role models for younger people. If you aspire to work in this field, it will be beneficial to have a passion for the subject you'll teach.

Careers in this Career Cluster

- Administration & Administrative Support
- Professional Support Services
- Teaching/Training
- College Professor

Average Salary range

\$24,000 - \$105,080

College Majors

- American Sign Language
- Education
- Curriculum and Instructions
- Liberal Arts and Sciences, General Studies and Humanities
- Air Transportation

Occupations Related to Pathway

- Librarians
- Secondary/Postsecondary Educator
- Tutor
- Teacher Assistant
- Archivists

FINANCE



Finance

The roles in the Finance cluster are auditor, financial analyst, treasurer, economist, bank worker, debt counselor or insurance professional. Many of the jobs in the Finance career cluster require a bachelor's degree or specialized certifications. For example, getting a Certified Public Accountant or Certified Internal Auditor license may be helpful for certain roles.

The typical work environment is an office, an accounting studio or a tax collecting agency. The workers in this field usually have strong math skills and the ability to explain difficult concepts to customers who don't work in the field.

Careers in this Career Cluster

- Accounting
- Banking Services
- Business Services
- Business Finance
- Insurance
- Securities & Investment

Average Salary range

\$25,390 - \$112,700

College Majors

- Human Resource Management
- Economics
- Marketing
- Mathematics
- Real Estates
- Accounting and Computer Science
- Business

Occupations Related to Pathway

- Accountants and Auditors
- Insurance Agent
- Bank/Loan Office
- Personal Financial Advisor
- Budget Director
- Loan Officer
- Underwriter

GOVERNMENT & PUBLIC ADMINISTRATION



Government & Public Administration

The Government and Public Administration cluster is about using your passion for public service to prepare to work in a diverse array of jobs found in local, state and federal government. Virtually every occupation can be found within this field. You may help protect our country, represent our interests abroad, or pass and enforce laws.

Careers in this Career Cluster

- Foreign Service
- Governance
- National Security
- Planning
- Public Management & Administration
- Regulation
- Revenue & Taxation

Average Salary range

\$20,620 - \$76,890

College Majors

- Military
- Criminology
- History
- Human Services
- Insurance
- Law
- Legal Support
- Air Transportation

Occupations Related to Pathway

- Legislators
- Construction and Building Inspectors
- Court, Municipal and License Clerks
- Transportation Inspectors
- Tax Examiners and Collectors
- Compliance Officers
- Agricultural Inspectors

HEALTH SCIENCE



Health Science

The Health Science cluster is about using your love of science to help keep people healthy and treat those who are not. Work directly with people as a doctor or physical therapist or on your own by conducting research on diseases and other important health information. This field allows you to work in diverse environments such as hospitals, medical and dental offices, or labs.

Careers in this Career Cluster

- Biotechnology Research
- Diagnostic Services
- Registered Nurse,
- Support Services, Medical Assistant
- Therapeutic Services

Average Salary range

\$21,020 - \$187,200

College Majors

- Biomedical
- Chiropractic
- Chemistry
- Dentistry
- Nursing
- Animal Science

Occupations Related to Pathway

- Anesthesiologists
- Athletic Trainers
- Chiropractors
- Home Health Aides
- Medical Assistants
- Nurse Practitioners
- Neurologists

HOSPITALITY & TOURISM



Hospitality & Tourism

Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Careers in this Career Cluster

- Lodging
- Recreation, Amusement & Attractions
- Restaurants & Food/Beverages Services
- Travel & Tourism

Average Salary range

\$18,330 - \$66,200

College Majors

- Film/Video
- Foods, Nutrition, and Related Services
- Health and Physical Education/Fitness
- Marketing
- Parks, Recreation and Leisure Facilities Management

Occupations Related to Pathway

- Hotel, Motel, and Resort Desk Clerks
- Dishwashers
- Fast Food Cooks
- Hotel, Motel, and Resort Desk Clerks
- Lodging Managers

HUMAN SERVICES



Human Services

The Human Services cluster uses your skills in communication and problem solving to provide support to families and individuals with services from working in early childhood care to providing mental health services for older adults. This diverse Career Cluster allows you to work in a variety of settings including health care, spas, schools, and community centers.

Careers in this Career Cluster

- Consumer Services
- Counseling & Mental Health Services
- Early Childhood Development & Services
- Family & Community Services
- Personal Care Services

Average Salary range

\$18,510 - \$80,330

College Majors

- Business Administration
- Human Resources Management
- Psychology
- Public Health
- Sociology
- Human Development, Family Studies, and Related Services

Occupations Related to Pathway

- Marriage and Family Therapists
- Health Educator
- Childcare Workers
- Clergy
- Massage Therapists
- Hairdressers and Cosmetologists

INFORMATIONAL TECHNOLOGY (IT)



Informational Technology (IT)

The Information Technology cluster uses your love of technology to learn how to design, develop and manage different types of software and hardware programs. Though this field requires a solid foundation in math and science as well as strong technical skills, there are careers in information technology in virtually every part of the economy.

Careers in this Career Cluster

- Information Support & Services
- Network Systems
- Programming & Software Development
- Web & Digital Communications

Average Salary range

\$46,620 - \$101,410

College Majors

- Computer Science
- Educational/Instructional Media Design
- Electrical Engineering Technologies/Technicians
- Aerospace, Aeronautical and Astronautical Engineering
- Informational Technology

Occupations Related to Pathway

- Computer Programmers
- Network and Computer Systems Administrators
- Systems Software Developers
- Telecommunications Engineering Specialists
- Video Game Designers

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY



Law, Public Safety, Corrections & Security

The Law, Public Safety, Corrections and Security cluster uses your love of people and passion for your community to prepare for careers in law, public safety and security. Responsibilities may include protecting people from harm, crime or natural disasters. Job opportunities range from public safety officers to legal services.

Careers in this Career Cluster

- Correction Services
- Emergency & Fire Management Services
- Law Enforcement Services
- Lawyer, Judge, Magistrate
- Security & Protective Services

Average Salary range

\$19,040 - \$118,150

College Majors

- Criminology
- Army ROTC, Military Science and Operations
- Law
- Social Work
- Sociology

Occupations Related to Pathway

- Animal Control Workers
- Arbitrators, Mediators, and Conciliators
- Bailiffs
- Correctional Officers and Jailers
- Fish and Game Wardens
- Lawyers

MANUFACTURING



Manufacturing

The Manufacturing cluster uses your skills in planning and organization along with your love of technology, engineering and design to work in careers processing materials into products. Careers also include related professional and technical support activities such as production planning, production design, maintenance, and engineering.

Careers in this Career Cluster

- Health, Safety & Environmental Assurance
- Logistics & Inventory Control
- Maintenance, Installation & Repair
- Manufacturing Production Process Dev.
- Production
- Quality Assurance
- Architecture and Engineering Occupations

Average Salary range

\$21,490 - \$78,350

College Majors

- Boilermakers
- Civil Engineering
- Construction Engineering
- Woodworking
- Quality Control
- Mining
- Industrial Production

Occupations Related to Pathway

- Aerospace Engineering
- Aircraft Structure and Systems Assembler
- Automotive Engineering
- Butcher and Meat Cutter

MARKETING



Marketing

The Marketing cluster flexes your creative skills for a career in advertising, public relations, sales, or planning. This Career Cluster will prepare you to work on projects such as promotional campaigns, event planning and new sales techniques.

Careers in this Career Cluster

- Marketing Communication
- Marketing Management
- Marketing Research
- Merchandising
- Professional Sales

Average Salary range

\$21,490 - \$78,350

College Majors

- Business
- Family and Consumer Economics
- Human Resources
- Insurance
- Marketing
- Digital Marketing

Occupations Related to Pathway

- Advertising and Sales
- Real Estate
- Sales Engineers
- Wholesale
- Marketing Director

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS



Science, Technology, Engineering & Mathematics

The Science, Technology, Engineering and Mathematics cluster uses your abilities in problem solving and prepares for careers using science, technology, engineering and math (STEM) skills. People in this Career Cluster conduct in-depth research to provide solutions to a variety of technical problems within many different fields. A postsecondary degree and relevant work experience are necessary to succeed in this field.

Careers in this Career Cluster

- Engineering & Technology
- Science & Mathematics

College Majors

- Zoology
- Animal Biology
- System Engineering
- Statistics
- Nuclear Engineering
- Nutrition Science

Occupations Related to Pathway

- Anthropologists and Archeologists
- Architectural and Engineering Managers
- Astronomers
- Atmospheric and Space Scientists
- Automotive Engineers
- Biochemical Engineers
- Biochemists and Biophysicists
- Bioinformatics Scientists
- Biostatisticians
- Cartographers and Photogrammetrists
- Chemical Engineers
- Chemists
- Clinical Data Managers
- Computer Hardware Engineers
- Computer and Information Scientists
- Conservation Scientists
- Economists
- Electrical Engineers
- Electronics Engineers

Average Salary range

\$38,310 - \$132,320

TRANSPORTATION, DISTRIBUTION & LOGISTICS



Transportation, Distribution & Logistics

The Transportation, Distribution and Logistics cluster uses your knowledge of mechanics, mathematics and design to work in careers you plan, manage and move everything from people to company products through a range of transportation services. In this field, you are involved in the logistics of all modes of transportation from road to rail to air to water.

Careers in this Career Cluster

- Facility & Mobile Equipment Maintenance
- Health, Safety & Environmental Management
- Logistics Planning & Management Services
- Sales & Service
- Transportation Operations
- Transportation Systems/Infrastructure
- Planning, Management & Regulation
- Warehousing & Distribution Center Operations

College Majors

- Air Transportation
- Civil Engineering
- Hospitality Administration
- Marine Transportation
- Mechanical Engineering

Occupations Related to Pathway

- Air Traffic Controller
- Automotive and Watercrafter Service
- Captain
- Dispatcher
- Courier and Messenger
- Bus and Truck Mechanic

Average Salary range

\$19,500 - \$121,280



FORT WAYNE COMMUNITY SCHOOLS

PROGRAMS OF STUDY

2023-24



We Are Your Schools

HALF-DAY PROGRAMS

Fort Wayne Community Schools offers two unique half-day programs for students in the eleventh and twelfth grades. These programs offer students the opportunity for an immersive, hands-on experience that propels students towards industry-related careers or post-secondary training and education. At the FWCS Career Academy or Amp Lab at Electric Works, students have the opportunity to work directly with community partners, earn dual credits, and pursue industry certifications. Students interested can apply to either program via their counselor during each respective application period. To learn more about either the program options or course offerings at the FWCS Career Academy or Amp Lab at Electric Works, click on the buttons to access their handbooks below.



FWCS Career Academy

The FWCS Career Academy serves all Allen County high schools and offers over 20 unique career and technical education (CTE) programs to provide students with access to training, experiences, and certifications connected to a specific industry. Whether in the culinary arts, construction trades, information technology, or health careers, students can gain fundamental skills to successfully step into the workforce or pursue post-secondary training.

[Click here to access the Career Academy Program Guide](#)

Amp Lab at Electric Works

The Amp Lab at Electric Works is a problem-solving design think tank that marries entrepreneurial thinking, innovative mindsets, and creative processes with industry-based skillsets to amplify ideas, solutions, and connections in the community with real partners around real problems. Set on the transformative campus of Electric Works, students will have the opportunity to turn their interests and passions into a path for future success.

[Click here to access more information about Amp Lab](#)

CAREER PATHWAYS AT HIGH SCHOOLS

Students across the five high schools in Fort Wayne Community Schools have the opportunity to engage in a variety of Pathways that lead to both post-secondary education opportunities and potential careers. Pathways are offered to meet student demand and interests, as well as, support students transition into careers in the modern economy. Below, you will find an outline of the current pathways offered at each high school. Please note, that pathways are subject to change and additional pathways may be offered in the future.

NORTH SIDE

- Accounting
- Business Administration
- Civic Arts
- Computer Science
- Digital Design
- Early College
- Education Careers
- Human & Social Services
- Industrial Maintenance
- Marketing & Sales

NORTHROP

- Biomedical Sciences & Technology
- Cybersecurity
- Engineering
- Education Careers
- Hospitality Management
- Interior Design
- Marketing & Sales

SNIDER

- Biomedical Science & Technology
- Business Administration
- Civic Arts
- Computer Science
- Digital Design
- Education Careers
- Exercise Science
- Marketing & Sales
- Radio & TV Broadcasting

SOUTH SIDE

- Accounting
- Computer Science
- Hospitality Management
- Human & Social Services
- International Baccalaureate
- Interior Design
- Marketing & Sales
- Radio & Television

WAYNE

- Business Administration
- Business Operations & Technology
- Civic Arts
- Computer Science
- Early College
- Entrepreneurship
- Marketing & Sales

WAYNE NEW TECH

- Biomedical Science & Technology
- Civic Arts
- Computer Science
- Engineering

PROGRAMS OF STUDY

FWCS offers specialized Programs of Study at each of its five high schools, including the prestigious International Baccalaureate (IB) program at South Side, the New Tech Academy and Early College at Wayne, Project Lead the Way-Engineering at Northrop, Project Lead the Way-Biomedical Sciences at Snider and Early College as well as Global Studies/World Languages at North Side.



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Early College - Vincennes University
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Project Lead the Way - Biomedical
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International Baccalaureate Program
52



Early College/Business - Ivy Tech 57
New Tech Academy /Project Lead
the Way - Engineering 62
Project Lead the Way - Biomedical 66



NORTHROP
BRUINS

NORTHROP PROJECT LEAD

THE WAY - ENGINEERING

9TH GRADE	10TH GRADE
CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH ACADEMIC HONORS
English Language Arts <ul style="list-style-type: none"> English 9/English 9 Honors 	English Language Arts <ul style="list-style-type: none"> English 10/English 10 Honors
Math <ul style="list-style-type: none"> Algebra I/Algebra I Honors/Algebra II/ Algebra II Honors 	Math <ul style="list-style-type: none"> Algebra II/Algebra II Honors/Geometry/Geometry Honors
Social Studies <ul style="list-style-type: none"> World History or Geography/History of the World 	Social Studies <ul style="list-style-type: none"> World History or Geography/History of the World/AP World History
Science <ul style="list-style-type: none"> Biology/Biology Honors 	Science <ul style="list-style-type: none"> Chemistry/AP Chemistry
PE/Preparing for College and Career Course	PEII/Health Courses
World Language/Fine Arts	World Language/Fine Arts
PLTW - Introduction to Engineering Design (Dual Credit - Ivy Tech)	PLTW - Principles of Engineering & Civil Engineering & Architecture (Dual Credit - Ivy Tech)

NORTHROP PROJECT LEAD

THE WAY - ENGINEERING

11TH GRADE

CORE 40 WITH ACADEMIC HONORS

English Language Arts

- English 11/English 11 Honors/AP English Language & Composition

Math

- Geometry/Geometry Honors/Pre-Calc/Pre-Calc & Trig Honors/Dual Credit Pre-Calc & Trigonometry/AP Calculus AB

Social Studies

- US History/US History Honors/Dual Credit US History

Science

- Chemistry II/Dual Credit Chemistry/Anatomy & Physiology

SAT Prep Course

World Language/Fine Arts

PLTW - Civil Engineering & Architecture

12TH GRADE

CORE 40 WITH ACADEMIC HONORS

English Language Arts

- English 12/English 12 Honors/Dual Credit English I (Purdue, Fort Wayne)

Math

- Geometry/Geometry Honors/AP Calc & Trig/Pre-Calc & Trig Honors/Dual Credit Pre-Calc & Trig/AP Calculus AB

Social Studies

- US Government/Economics/ AP US Government

Science

- Dual Credit Chemistry/Dual Credit Biology/Chemistry II/Anatomy & Physiology

World Language/Fine Arts



LEGENDS
NORTH SIDE HIGH SCHOOL



NORTH SIDE - WORLD STUDIES

9TH GRADE

CORE 40 (40 Total State Credits Required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> English 9 	English Language Arts <ul style="list-style-type: none"> English 9/English 9 Honors
Math <ul style="list-style-type: none"> Algebra I 	Math <ul style="list-style-type: none"> Algebra I/Algebra I Honors/Algebra II/Algebra II Honors
Social Studies <ul style="list-style-type: none"> World History 	Social Studies <ul style="list-style-type: none"> World History
Science <ul style="list-style-type: none"> Biology 	Science <ul style="list-style-type: none"> Biology/Biology Honors/AP Biology
PE/Preparing for College and Career Course	PE/Preparing for College and Career Course
World Language/Fine Arts	World Language/Fine Arts

NORTH SIDE - WORLD STUDIES

10TH GRADE

CORE 40 (40 Total State Credits Required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> English 10 	English Language Arts <ul style="list-style-type: none"> English 10/English 10 Honors
Math <ul style="list-style-type: none"> Algebra II 	Math <ul style="list-style-type: none"> Algebra II/Algebra II Honors/ Geometry/ Geometry Honors
Science <ul style="list-style-type: none"> Chemistry/Physics/ICP 	Science <ul style="list-style-type: none"> Chemistry/Physics
PEII/Health Courses	PEII/Health Courses
World Language/Fine Arts	World Language/Fine Arts

NORTH SIDE - WORLD STUDIES

11TH GRADE

CORE 40 (40 Total State Credits Required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> English 11 	English Language Arts <ul style="list-style-type: none"> English 11/English 11 Honors/AP English Language & Composition
Math <ul style="list-style-type: none"> Geometry 	Math <ul style="list-style-type: none"> Geometry/Geometry Honors/Pre-Calc & Trig/Pre-Calc & Trig Honors/Dual Credit Pre-Calc & Trigonometry/AP Calculus AB
Social Studies <ul style="list-style-type: none"> Dual Credit US History 	Social Studies <ul style="list-style-type: none"> Dual Credit US History
Science <ul style="list-style-type: none"> Any Core 40 Science Course 	Science <ul style="list-style-type: none"> Dual Credit Chemistry
SAT Prep Course	SAT Prep Course
World Language/Fine Arts	World Language/Fine Arts

NORTH SIDE - WORLD STUDIES

12TH GRADE

CORE 40 (40 Total State Credits Required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> English 12 	English Language Arts <ul style="list-style-type: none"> English 12/English 12 Honors/AP English Literature & Composition/Dual Credit English I
Math <ul style="list-style-type: none"> Pre-Calculus/Trigonometry 	Math <ul style="list-style-type: none"> Pre-Calc. or Trig/Pre-Calc. & Trig Honors/Dual Credit Pre-Calc. & Trig/AP Calculus AB/AP Calculus BC/AP Statistics
Social Studies <ul style="list-style-type: none"> Dual Credit Government/Economics 	Social Studies <ul style="list-style-type: none"> Dual Credit Government/Economics
Science <ul style="list-style-type: none"> Any Core 40 Science Course 	Science <ul style="list-style-type: none"> Dual Credit Chemistry
World Language/Fine Arts	World Language/Fine Arts

NORTH SIDE - EARLY COLLEGE - VINCENNES UNIVERSITY

9TH GRADE

CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)

English Language Arts
 ◦ English 9/English 9 Honors

Math
 ◦ Algebra I/Algebra I Honors/Algebra II/Algebra II Honors

Social Studies
 ◦ World History

Science
 ◦ Biology/Biology Honors

Preparing for College and Career Course

World Language/Fine Arts

10TH GRADE

CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)

English Language Arts

Math
 ◦ Algebra II/Algebra II Honors/Geometry/Geometry Honors

Social Studies

Science
 ◦ Chemistry/Physics

PEII/Health Courses (Vincennes)

World Language/Fine Arts

NORTH SIDE - EARLY COLLEGE

- VINCENNES UNIVERSITY

11TH GRADE	12TH GRADE
CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> ◦ Dual Credit English Composition I (Vincennes) ◦ Speech (Vincennes) 	English Language Arts <ul style="list-style-type: none"> ◦ Dual Credit English Composition II (Vincennes) ◦ Dual Credit Speech (Vincennes)
Math <ul style="list-style-type: none"> ◦ Geometry/Geometry Honors 	Math <ul style="list-style-type: none"> ◦ Dual Credit College Algebra and Trig (IU-ACP)
Social Studies <ul style="list-style-type: none"> ◦ Dual Credit US History (Indiana University) 	Social Studies <ul style="list-style-type: none"> ◦ Dual Credit US Government (IU-ACP) ◦ Economics (Purdue, Fort Wayne) ◦ Dual Credit Psychology (Vincennes)
Science <ul style="list-style-type: none"> ◦ Dual Credit Bio: Plant & Animal (Vincennes) 	Science <ul style="list-style-type: none"> ◦ Core 40 Science Credit ◦ Dual Credit Bio: Plant & Animal (Vincennes)
SAT Prep Course	
World Language/Fine Arts	World Language/Fine Arts
	Dual Credit Art Appreciation (Vincennes)



Snider



High
School

SNIDER- PROJECT LEAD THE WAY - BIOMEDICAL

9TH GRADE

CORE 40 (40 Total State Credits Required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> English 9 	English Language Arts <ul style="list-style-type: none"> English 9/English 9 Honors
Math <ul style="list-style-type: none"> Algebra I 	Math <ul style="list-style-type: none"> Algebra I/Algebra I Honors/Algebra II/Algebra II Honors
Social Studies <ul style="list-style-type: none"> Geography/History of the World 	Social Studies <ul style="list-style-type: none"> Geography/History of the World
Science <ul style="list-style-type: none"> STS or BioMed 	Science <ul style="list-style-type: none"> STS or BioMed
PE/Preparing for College and Career Course	PE/Preparing for College and Career Course
World Language/Fine Arts	World Language/Fine Arts
CTE Principles Course - PLTW Principals of Biomedical Sciences	CTE Principles Course - PLTW Principals of Biomedical Sciences

SNIDER - PROJECT LEAD THE WAY - BIOMEDICAL

10TH GRADE

CORE 40 (40 Total State Credits Required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> English 10 	English Language Arts <ul style="list-style-type: none"> English 10/English 10 Honors
Math <ul style="list-style-type: none"> Algebra II 	Math <ul style="list-style-type: none"> Algebra II/Algebra II Honors/Geometry/ Geometry Honors
Social Studies <ul style="list-style-type: none"> Geography/History of the World 	Social Studies <ul style="list-style-type: none"> Geography/History of the World
Science <ul style="list-style-type: none"> Chemistry/Physics/ICP 	Science <ul style="list-style-type: none"> Chemistry/AP Chemistry
PEII/Health Courses	PEII/Health Courses
World Language/Fine Arts	World Language/Fine Arts
CTE Course - Concentrator A PLTW Human Body Systems	CTE Course - Concentrator A PLTW Human Body Systems

SNIDER - Project Lead the Way - Biomedical

11TH GRADE

CORE 40 (40 Total State Credits Required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> English 11 	English Language Arts <ul style="list-style-type: none"> English 11/English 11 Honors/AP English Language & Composition
Math <ul style="list-style-type: none"> Geometry 	Math <ul style="list-style-type: none"> Geometry/Geometry Honors/Pre-Calc. & Trig/Pre-Calc. & Trig Honors/Dual Credit Pre-Calc. & Trigonometry/ AP Calculus AB
Social Studies <ul style="list-style-type: none"> US History 	Social Studies <ul style="list-style-type: none"> US History/US History Honors/AP US History/ Dual Credit US History
Science <ul style="list-style-type: none"> Any Core 40 Science Course 	Science <ul style="list-style-type: none"> AP Chemistry AP Biology
SAT Prep Course	SAT Prep Course
World Language/Fine Arts	World Language/Fine Arts
CTE Course - Concentrator B PLTW Medical Interventions	CTE Course - Concentrator B PLTW Medical Interventions

SNIDER - PROJECT LEAD THE WAY - BIOMEDICAL

12TH GRADE

CORE 40 (40 Total State Credits Required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> English 12 	English Language Arts <ul style="list-style-type: none"> English 12/English 12 Honors/AP English Language & Composition/Dual Credit English I
Math <ul style="list-style-type: none"> Pre-Calc./Trig 	Math <ul style="list-style-type: none"> Pre-Calc. & Trig/Pre-Calc. & Trig Honors/Dual Credit Pre-Calc. & Trig/ AP Calculus AB/AP Calculus BC/ AP Statistics
Social Studies <ul style="list-style-type: none"> US Government/ Economics 	Social Studies <ul style="list-style-type: none"> US Government/Economics/ AP US Government/AP Micro-Economics/Dual Credit US Gov./Dual Credit Micro-Economics
Science <ul style="list-style-type: none"> Any Core 40 Science Course 	Science <ul style="list-style-type: none"> AP Chemistry AP Biology
World Language/Fine Arts	World Language/Fine Arts



SOUTH SIDE - INTERNATIONAL BACCALAUREATE

9TH GRADE

CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)

English Language Arts
 ◦ English 9 Honors

Math
 ◦ Geometry Honors/Algebra II Honors

Social Studies
 ◦ World History
 ◦ Dual Credit World History

Science
 ◦ Biology Honors

PE/Preparing for College and Career Course

World Language/Fine Arts
 ◦ French or Spanish II/ Music/
 Visual Arts

Elective

10TH GRADE

CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)

English Language Arts
 ◦ English 10 Honors

Math
 ◦ Algebra II Honors or Pre Calc./Trig

Science
 ◦ Chemistry Honors

PEII/Health Courses

World Language/Fine Arts
 ◦ French or Spanish III/ Music/Visual Arts

SOUTH SIDE - INTERNATIONAL BACCALAUREATE

11TH GRADE	12TH GRADE
CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> IB Language A1 	English Language Arts <ul style="list-style-type: none"> IB Language A1
Math <ul style="list-style-type: none"> IB Math 	Math <ul style="list-style-type: none"> Pre-Calc. or Trig/Pre-Calc. & Trig Honors/Dual Credit Pre-Calc. & Trig/ AP Calculus AB/AP Calculus BC/ AP Statistics
Social Studies <ul style="list-style-type: none"> IB History of America 1 & 2 Theory of Knowledge/ AP Government 	Social Studies <ul style="list-style-type: none"> IB History 3 & 4 AP Economics
Science <ul style="list-style-type: none"> IB Biology 1 & 2 or IB Chemistry 1 & 2 	Science <ul style="list-style-type: none"> IB Biology 3 & 4 or IB Chemistry 3 & 4
World Language/Fine Arts <ul style="list-style-type: none"> French or Spanish IV/ Music/Visual Arts 	World Language/Fine Arts <ul style="list-style-type: none"> IB French or IB Spanish/Music/Visual Arts (standard level or higher)
	Elective <ul style="list-style-type: none"> IB Philosophy IB Psychology



**HOME OF THE
GENERALS**

WAYNE - EARLY COLLEGE - IVY TECH

9TH GRADE	10TH GRADE
CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> English 9/English 9 Honors 	English Language Arts <ul style="list-style-type: none"> English 10
Math <ul style="list-style-type: none"> Algebra I/Algebra I Honors/ Algebra II/Algebra II Honors 	Math <ul style="list-style-type: none"> Algebra II/Algebra II Honors/ Geometry/Geometry Honors
Social Studies <ul style="list-style-type: none"> Geography & History of the World 	Social Studies <ul style="list-style-type: none"> AP World History
Science <ul style="list-style-type: none"> Biology/Biology Honors 	Science <ul style="list-style-type: none"> Chemistry/Honors Chemistry
PE/Preparing for College and Career Course	PEII/Health Courses
World Language/Fine Arts	World Language/Fine Arts
Business Operations, Applications and Technology (semester only) Dual Credit - Ivy Tech	Principles of Marketing Dual Credit (Semester) Ivy Tech
Intro to Microcomputers Dual Credit (semester only) - Ivy Tech	Principles of Management (semester) Ivy Tech Dual Credit

WAYNE - EARLY COLLEGE -

IVY TECH

11TH GRADE	12TH GRADE
CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
English Language Arts <ul style="list-style-type: none"> English 11/AP Literature/Dual Credit English Composition (year long) 	English Language Arts <ul style="list-style-type: none"> Dual Credit Rhetoric & Argument (semester)/Dual Credit Intro to Literature (semester)
Math <ul style="list-style-type: none"> Geometry/Geometry Honors/Pre-Calc & Trig/ Dual Credit Pre-Calc & Trigonometry 	Math <ul style="list-style-type: none"> Pre-Calc & Trig/Dual Credit Pre-Calc & Trig/AP Calculus AB/ Dual Credit Quantitative reasoning (semester)/Statistics
Social Studies <ul style="list-style-type: none"> US History/US History Honors 	Social Studies <ul style="list-style-type: none"> US Govt/Economics/AP US Government/AP Micro-economics
Science <ul style="list-style-type: none"> Dual Credit Chemistry II/ Anatomy & Physiology/ Earth & Space Science 	Science <ul style="list-style-type: none"> Dual Credit Chemistry II/ Anatomy & Physiology/ Earth & Space Science
Dual Credit Psychology (semester)	
World Language/Fine Arts	World Language/Fine Arts
<ul style="list-style-type: none"> Entrepreneurial Foundations (semester) Ivy Tech Dual Credit and Entrepreneurial Mindset (semester) Ivy Tech Dual Credit OR Principles of Selling (semester) Ivy Tech Dual Credit and Intro to Marketing Research (semester) Ivy Tech Dual Credit 	<ul style="list-style-type: none"> New Venture Launch (semester) Ivy Tech Dual Credit and Small Business Operations (semester) Ivy Tech Dual Credit OR Consumer Behavior (semester) Ivy Tech Dual Credit



New Tech Academy
FORT WAYNE COMMUNITY SCHOOLS

WAYNE NEW TECH - PROJECT LEAD THE WAY - ENGINEERING

9TH GRADE	10TH GRADE
CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
World Studies <ul style="list-style-type: none"> English 9/Geography 	BioLit <ul style="list-style-type: none"> English 10/Biology
Math <ul style="list-style-type: none"> Algebra I/Algebra I Honors/Algebra II/Algebra II Honors 	Math <ul style="list-style-type: none"> Algebra II/Algebra II Honors/Geometry/Geometry Honors
Science	Science <ul style="list-style-type: none"> Chemistry/AP Chemistry
PE/Preparing for College and Career Course	Social Studies <ul style="list-style-type: none"> World History or Geography/History of the World/AP Human Geography
World Language/Fine Arts	World Language/Fine Arts
PLTW - Introduction to Engineering Design	PLTW - Introduction to Engineering Design & Principles of Engineering
	PEII/Health Courses

WAYNE NEW TECH - PROJECT LEAD THE WAY - ENGINEERING

11TH GRADE	12TH GRADE
CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
American Studies <ul style="list-style-type: none"> English 11/US History 	English Language Arts <ul style="list-style-type: none"> English 12/English 12 Honors/AP English Literature & Composition/Dual Credit English I
Math <ul style="list-style-type: none"> Geometry/Geometry Honors/Pre-Calc. & Trig/ Pre-Calc. & Trig Honors/ Dual Credit Pre-Calc. & Trigonometry/AP Calculus AB 	Math <ul style="list-style-type: none"> Pre-Calc. or Trig/Pre-Calc. & Trig Honors/Dual Credit Pre-Calc. & Trig/ AP Calculus AB/AP Calculus BC/AP Statistics
Social Studies <ul style="list-style-type: none"> AP US History/ Dual Credit US History 	Social Studies <ul style="list-style-type: none"> US Government/ Economics/AP US Government/AP Micro-Economics/Dual Credit US Gov./Dual Credit Micro-Economics
Science	Science <ul style="list-style-type: none"> AP Chemistry AP Biology
SAT Prep Course	
World Language/Fine Arts	World Language/Fine Arts
PLTW - Principles of Engineering & Civil Engineering & Architecture	PLTW - Civil Engineering & Architecture

WAYNE NEW TECH- PROJECT

LEAD THE WAY - BIOMEDICAL

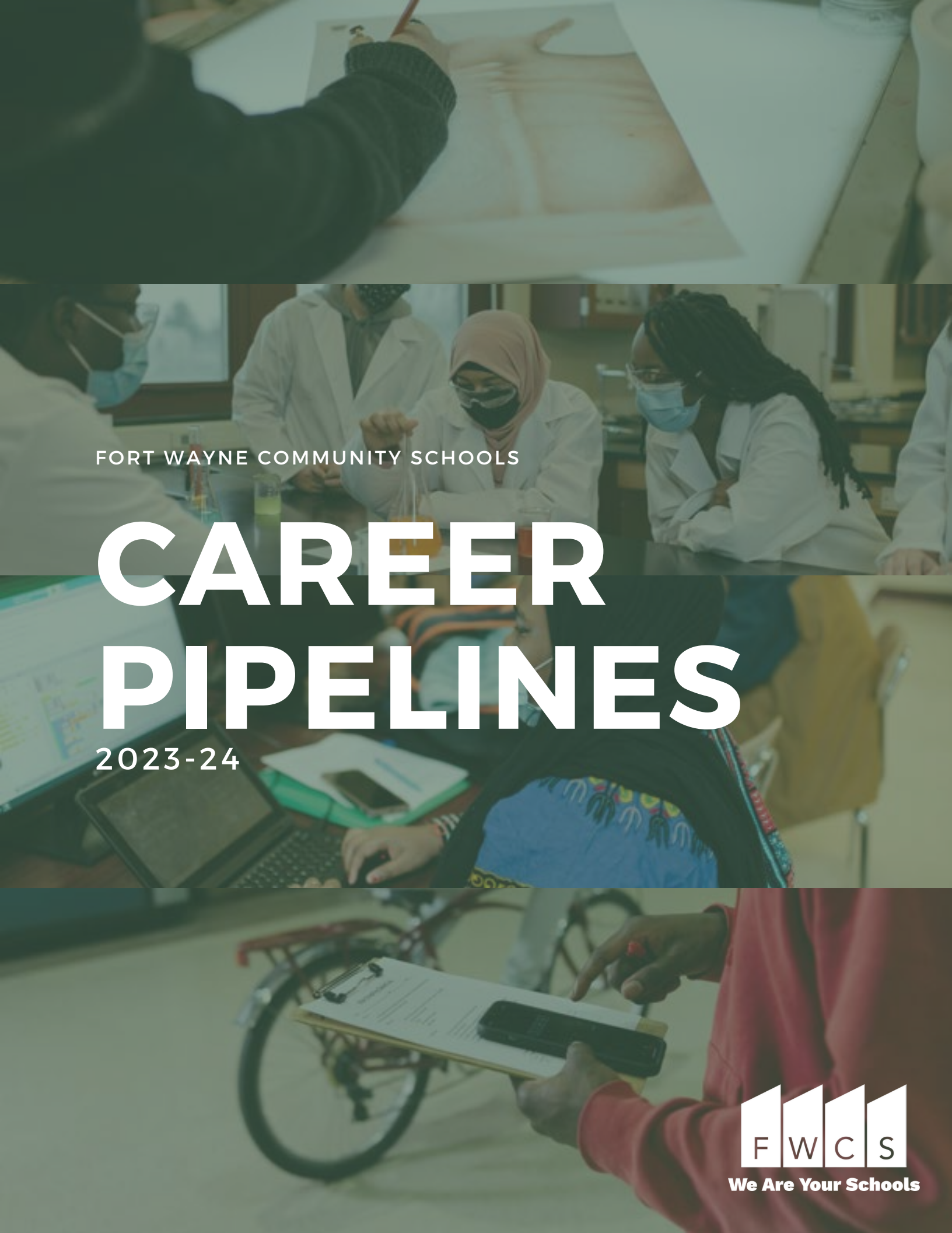
9TH GRADE	10TH GRADE
CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
World Studies <ul style="list-style-type: none"> English 9/Geography 	BioLit <ul style="list-style-type: none"> English 10/Biology
Math <ul style="list-style-type: none"> Algebra I/Algebra I Honors/Algebra II/ Algebra II Honors 	Math <ul style="list-style-type: none"> Algebra II/Algebra II Honors/ Geometry/ Geometry Honors
Science	Science <ul style="list-style-type: none"> Chemistry/AP Chemistry
PE/Preparing for College and Career Course	Social Studies <ul style="list-style-type: none"> World History or Geography/History of the World/AP Human Geography
World Language/Fine Arts	World Language/Fine Arts
PLTW - Principles of Biomedical	PLTW - Principles of Biomed & Human Body Systems
	PEII/Health Courses

WAYNE NEW TECH - PROJECT

LEAD THE WAY - BIOMEDICAL

11TH GRADE

CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)	CORE 40 WITH ACADEMIC HONORS (Minimum 47 state credits required)
American Studies <ul style="list-style-type: none"> English 11/US History 	English Language Arts <ul style="list-style-type: none"> English 12/English 12 Honors/AP English Literature & Composition/Dual Credit English I
Math <ul style="list-style-type: none"> Geometry/Geometry Honors/Pre-Calc. & Trig/ Pre-Calc. & Trig Honors/ Dual Credit Pre-Calc. & Trigonometry/AP Calculus AB 	Math <ul style="list-style-type: none"> Pre-Calc. or Trig/Pre-Calc. & Trig Honors/Dual Credit Pre-Calc. & Trig/ AP Calculus AB/AP Calculus BC/AP Statistics
Social Studies <ul style="list-style-type: none"> AP US History/ Dual Credit US History 	Social Studies <ul style="list-style-type: none"> US Government/ Economics/AP US Government/AP Micro-Economics/Dual Credit US Gov./Dual Credit Micro-Economics
Science	Science <ul style="list-style-type: none"> AP Chemistry AP Biology
SAT Prep Course	
World Language/Fine Arts	World Language/Fine Arts
PLTW - Human and Body Systems & Medical Intervention	PLTW - Medical Interventions



FORT WAYNE COMMUNITY SCHOOLS

CAREER PIPELINES

2023-24



We Are Your Schools

PIPELINES INTRO & OVERVIEW

In today's modern world, students must have access to the skills, experiences, and pathways to meaningful career opportunities. The Fort Wayne Community Schools' Pipelines puts this at the forefront of the district by creating new avenues to strengthen the district's partnerships with community leaders. Together, we can provide human capital for both economic growth and equity in Allen County and Northeast Indiana. In collaboration with local industry leaders, Fort Wayne Community Schools identified six key industries marked for high growth and in demand in our community. They include:



Advanced Manufacturing



IT & Data Analytics



Trades



Health Services

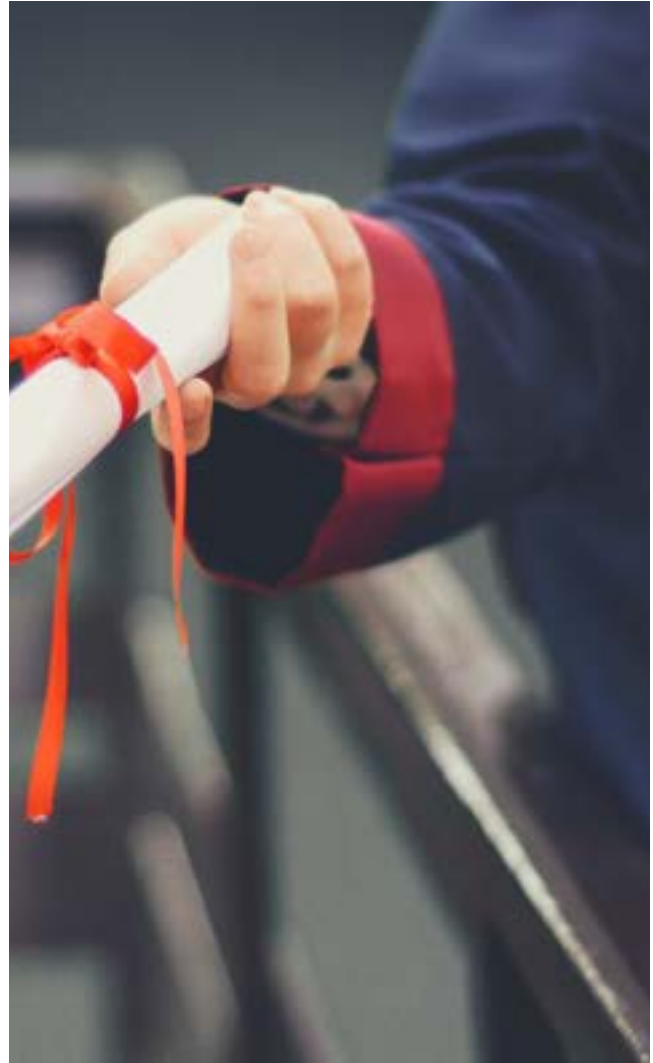


eCommerce



Teaching

In addition to the SIX core pipelines, the Plus category includes many additional opportunities for students to connect their interests across a wide variety of industries and professions.



The Pipelines serve both as a roadmap for students as they develop their Meaningful Future Plans in middle and high school and as a catalyst to propel them to success on the day after graduation. Over the next 4-5 years, you will see a continued emphasis on and growth in opportunities connected to the Pipelines for students to develop the skills, engage in the experiences, and complete the pathways to high-wage, in-demand careers.

TERMS & DEFINITIONS

Throughout Fort Wayne Community Schools' high schools, you will see a wide variety of terminology used in reference to preparing students for college and career readiness. Please see below for some common definitions of important terms:

College and Career Readiness

College- and career-ready means an individual has the knowledge, skills and abilities to succeed in post-secondary education and economically-viable career opportunities. Additionally, Indiana defines college and career readiness educational standards as 'the standards that a high school graduate must meet to obtain the requisite knowledge and skill to transition without remediation to post-secondary education or training, and ultimately into a sustainable career.

Graduation Pathways

Graduation pathways are the areas in which a student must demonstrate competency in the state of Indiana. They include three distinct components: course requirements for a diploma, learn and demonstrate employability skills, and obtain post-secondary ready competencies.

Career Clusters

The National Career Cluster Framework organizes potential career pathways into 16 different clusters that serve as a guide to bridge secondary and post-secondary opportunities.

Next Level Programs of Study

The Next Level Programs of Study (NLPS) is the state of Indiana's initiative to provide consistency, quality, and intentionality in Career and Technical Education (CTE) pathways across the state.

Pipelines

Pipelines are Fort Wayne Community Schools' increased focus on local industries that have opportunities for students in high-skill, high-wage, and in-demand jobs.

TERMS & DEFINITIONS

Pathways

Pathways are a series of courses and experiences directly related to a career

Course Progressions

Course progressions are a series of recommended (or required) courses, across all subjects, a student should take in relation to their aligned pathway of choice.

Meaningful Future Plan

A plan developed over a series of years to include students interests, passions, and skills and their relationship to course selection and career opportunities.

Certifications

Credentials awarded to students by an independent third-party verifying qualifications or competencies in a career skill area. Industry-recognized certifications are sought or accepted by employers as a recognized, preferred or required credential for recruitment, screening, hiring, retention or advancement purposes of their employees.

Work-based Learning Experiences

Extended educational opportunities in which students engage in authentic and relevant work aligned with a career pathway. These experiences allow students to participate in a professional work environment and assist with career skill development and decision-making. These opportunities may provide varied levels of support, depending upon students' individual needs.

FORT WAYNE COMMUNITY SCHOOLS NEXT LEVEL PROGRAM OF STUDY (NLPS) PROGRAM COURSE PROGRESSIONS



NEXT LEVEL **PROGRAM OF STUDY**

Per the Indiana Department of Education, the Next Level Program of Study (NLPS) provides quality Career Technical Education (CTE) Courses through updated, more relevant standards directly aligned to postsecondary certificate programs whenever possible. NLPS will allow students to earn CTE Concentrator status through the first three courses of each program of study, thus meeting the domain three requirements for earning an Indiana Diploma.

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EDUCATION & TRAINING

A photograph of a man and a young boy in a classroom. The man, Dr. Mark Daniel, is wearing a tan suit jacket, a light blue shirt, and a grey face mask. He has a name tag that reads "Dr. Mark Daniel" and "Education". The boy is wearing a white shirt, a green lanyard, and a light blue face mask. They are both looking down at a large, orange, irregularly shaped paper cutout that the man is holding. The background shows a classroom with shelves, books, and a bulletin board.

For those wanting to have a lifelong impact on others, a career in the Education and Training Career Cluster may be a perfect fit. Education is one of the fundamental rights of children in America and states always need qualified teachers. Students enrolled in the Education & Training Pathway will immerse themselves in learning and teaching. This course of study includes, but is not limited to, the teaching profession, learning process, planning instruction, and assessing learning, assessment, and instructional environments.

EDUCATION & TRAINING



Education
Early Childhood
81

77

According to the US Bureau of Labor Statistics, employment in education, training, and library occupations is **projected to grow 10 percent** from 2020 to 2030, about as fast as the average for all occupations. About 920,500 new jobs are projected to be added from 2020 to 2030. Student enrollment is projected to increase; therefore, **postsecondary teachers and preschool, elementary, and secondary school teachers will be needed to meet the demand.** However, education, training, and library occupations are affected by state and local budgets, and budgetary restrictions may limit employment growth.

The median annual wage for education, training, and library occupations was \$52,380 in May 2020, which was **higher than the median annual wage for all occupations** of \$41,950.

To learn more about potential career opportunities, visit the following websites:

- **Indiana Career Ready** - https://www.indianacareerready.com/Indemandjobs?cluster=5&jobseeker=1&jobseeker_selectValue=0&Pagefilter=1
- **Education, Training, and Library Occupations: Occupational Outlook Handbook: U.S. Bureau of Labor Statistics (bls.gov)** - <https://www.bls.gov/ooh/education-training-and-library/home.htm>
- **O*NET** - <https://www.onetonline.org/find/quick?s=EDUCATION>
- **Education and Training Overview | Career Cluster/Industry Video Series** - https://www.youtube.com/watch?v=N6_cGS9yy7w

EDUCATION

9TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 9 	English Language Arts <ul style="list-style-type: none"> English 9 English 9 Honors 	English Language Arts <ul style="list-style-type: none"> English 9 English 9 Honors
Math <ul style="list-style-type: none"> Algebra I 	Math <ul style="list-style-type: none"> Algebra I Algebra I Honors Algebra II Algebra II Honors 	Math <ul style="list-style-type: none"> Algebra I Algebra I Honors Algebra II Algebra II Honors
Social Studies <ul style="list-style-type: none"> World History Geography/History of the World 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography
Science <ul style="list-style-type: none"> Biology 	Science <ul style="list-style-type: none"> Biology Biology Honors AP Biology 	Science <ul style="list-style-type: none"> Biology Biology Honors AP Biology
PE/Preparing for College and Career Course	PE/Preparing for College and Career Course	PE/Preparing for College and Career Course
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
CTE Principles Course - Principles of Teaching Course	CTE Principles Course - Principles of Teaching Course	CTE Principles Course - Principles of Teaching Course

EDUCATION

10TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 10 	English Language Arts <ul style="list-style-type: none"> English 10 English 10 Honors 	English Language Arts <ul style="list-style-type: none"> English 10 English 10 Honors
Math <ul style="list-style-type: none"> Algebra II 	Math <ul style="list-style-type: none"> Algebra II Algebra II Honors Geometry Geometry Honors 	Math <ul style="list-style-type: none"> Algebra II Algebra II Honors Geometry Geometry Honors
Social Studies <ul style="list-style-type: none"> World History Geography/History of the World 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography
Science <ul style="list-style-type: none"> Chemistry Physics ICP 	Science <ul style="list-style-type: none"> Chemistry AP Chemistry 	Science <ul style="list-style-type: none"> Chemistry AP Chemistry
PEII/Health Courses	PEII/Health Courses	PEII/Health Courses
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
CTE Course - Concentrator A Child & Adolescent Development Course	CTE Course - Concentrator A Child & Adolescent Development Course	CTE Course - Concentrator A Child & Adolescent Development Course

EDUCATION

11TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 11 	English Language Arts <ul style="list-style-type: none"> English 11 English 11 Honors AP English Language & Composition 	English Language Arts <ul style="list-style-type: none"> English 11 English 11 Honors AP English Language & Composition
Math <ul style="list-style-type: none"> Geometry 	Math <ul style="list-style-type: none"> Geometry Geometry Honors Pre-Calc. Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trigonometry AP Calculus AB 	Math <ul style="list-style-type: none"> Geometry Geometry Honors Pre-Calc. Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trigonometry AP Calculus AB
Social Studies <ul style="list-style-type: none"> US History 	Social Studies <ul style="list-style-type: none"> US History US History Honors AP US History Dual Credit US History 	Social Studies <ul style="list-style-type: none"> US History US History Honors AP US History Dual Credit US History
Science <ul style="list-style-type: none"> Any Core 40 Science Course 	Science <ul style="list-style-type: none"> Physics AP Physics I 	Science <ul style="list-style-type: none"> Physics AP Physics I
SAT Prep Course (Optional)	SAT Prep Course (Optional)	SAT Prep Course (Optional)
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
CTE Course - Concentrator B Teaching and Learning	CTE Course - Concentrator B Teaching and Learning	CTE Course - Concentrator B Teaching and Learning

EDUCATION

12TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 12 	English Language Arts <ul style="list-style-type: none"> English 12 English 12 Honors AP English Language & Composition Dual Credit English I 	English Language Arts <ul style="list-style-type: none"> English 12 English 12 Honors AP English Language & Composition Dual Credit English I
Math <ul style="list-style-type: none"> Pre-Calc. or Trig 	Math <ul style="list-style-type: none"> Pre-Calc. or Trig Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trig AP Calculus AB AP Calculus BC AP Statistics 	Math <ul style="list-style-type: none"> Pre-Calc. or Trig Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trig AP Calculus AB AP Calculus BC AP Statistics
Social Studies <ul style="list-style-type: none"> US Government Economics 	Social Studies <ul style="list-style-type: none"> US Government Economics AP US Government AP Micro-economics Dual Credit US Gov. or Dual Credit Micro-Economics 	Social Studies <ul style="list-style-type: none"> US History US History Honors AP US History Dual Credit US History
Science <ul style="list-style-type: none"> Any Core 40 Science Course 	Science <ul style="list-style-type: none"> AP Physics I AP Physics II AP Physics C 	Science <ul style="list-style-type: none"> AP Physics I AP Physics II AP Physics C
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
Optional CTE Course - Education Profession Capstone Course - Project Based Learning Exp./Service-Based Learning Exp./Work-Based Learning	Optional CTE Course - Education Profession Capstone Course - Project Based Learning Exp./Service-Based Learning Exp./Work-Based Learning	Optional CTE Course - Education Profession Capstone Course - Project Based Learning Exp./Service-Based Learning Exp./Work-Based Learning

EARLY CHILDHOOD

9TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 9 	English Language Arts <ul style="list-style-type: none"> English 9 English 9 Honors 	English Language Arts <ul style="list-style-type: none"> English 9 English 9 Honors
Math <ul style="list-style-type: none"> Algebra I 	Math <ul style="list-style-type: none"> Algebra I Algebra I Honors Algebra II Algebra II Honors 	Math <ul style="list-style-type: none"> Algebra I Algebra I Honors Algebra II Algebra II Honors
Social Studies <ul style="list-style-type: none"> World History Geography/History of the World 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography
Science <ul style="list-style-type: none"> Biology 	Science <ul style="list-style-type: none"> Biology Biology Honors AP Biology 	Science <ul style="list-style-type: none"> Biology Biology Honors AP Biology
PE/Preparing for College and Career Course	PE/Preparing for College and Career Course	PE/Preparing for College and Career Course
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
CTE Principles Course - Principles of Early Childhood Education	CTE Principles Course - Principles of Early Childhood Education	CTE Principles Course - Principles of Early Childhood Education

EARLY CHILDHOOD

10TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 10 	English Language Arts <ul style="list-style-type: none"> English 10 English 10 Honors 	English Language Arts <ul style="list-style-type: none"> English 10 English 10 Honors
Math <ul style="list-style-type: none"> Algebra II 	Math <ul style="list-style-type: none"> Algebra II Algebra II Honors Geometry Geometry Honors 	Math <ul style="list-style-type: none"> Algebra II Algebra II Honors Geometry Geometry Honors
Social Studies <ul style="list-style-type: none"> World History Geography/History of the World 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography
Science <ul style="list-style-type: none"> Chemistry Physics ICP 	Science <ul style="list-style-type: none"> Chemistry AP Chemistry 	Science <ul style="list-style-type: none"> Chemistry AP Chemistry
PEII/Health Courses	PEII/Health Courses	PEII/Health Courses
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
CTE Course - Concentrator A Early Childhood Education Curriculum	CTE Course - Concentrator A Early Childhood Education Curriculum	CTE Course - Concentrator A Early Childhood Education Curriculum

EARLY CHILDHOOD

11TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 11 	English Language Arts <ul style="list-style-type: none"> English 11 English 11 Honors AP English Language & Composition 	English Language Arts <ul style="list-style-type: none"> English 11 English 11 Honors AP English Language & Composition
Math <ul style="list-style-type: none"> Geometry 	Math <ul style="list-style-type: none"> Geometry Geometry Honors Pre-Calc. Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trigonometry AP Calculus AB 	Math <ul style="list-style-type: none"> Geometry Geometry Honors Pre-Calc. Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trigonometry AP Calculus AB
Social Studies <ul style="list-style-type: none"> US History 	Social Studies <ul style="list-style-type: none"> US History US History Honors AP US History Dual Credit US History 	Social Studies <ul style="list-style-type: none"> US History US History Honors AP US History Dual Credit US History
Science <ul style="list-style-type: none"> Any Core 40 Science Course 	Science <ul style="list-style-type: none"> Physics AP Physics I 	Science <ul style="list-style-type: none"> Physics AP Physics I
SAT Prep Course (Optional)	SAT Prep Course (Optional)	SAT Prep Course (Optional)
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
CTE Course - Concentrator B Early Childhood Education Guidance	CTE Course - Concentrator B Early Childhood Education Guidance	CTE Course - Concentrator B Early Childhood Education Guidance

EARLY CHILDHOOD

12TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 12 	English Language Arts <ul style="list-style-type: none"> English 12 English 12 Honors AP English Language & Composition Dual Credit English I 	English Language Arts <ul style="list-style-type: none"> English 12 English 12 Honors AP English Language & Composition Dual Credit English I
Math <ul style="list-style-type: none"> Pre-Calc. or Trig 	Math <ul style="list-style-type: none"> Pre-Calc. or Trig Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trig AP Calculus AB AP Calculus BC AP Statistics 	Math <ul style="list-style-type: none"> Pre-Calc. or Trig Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trig AP Calculus AB AP Calculus BC AP Statistics
Social Studies <ul style="list-style-type: none"> US Government Economics 	Social Studies <ul style="list-style-type: none"> US Government Economics AP US Government AP Micro-economics Dual Credit US Gov. Dual Credit Micro-Economics 	Social Studies <ul style="list-style-type: none"> US Government Economics AP US Government AP Micro-economics Dual Credit US Gov. Dual Credit Micro-Economics
Science <ul style="list-style-type: none"> Any Core 40 Science Course 	Science <ul style="list-style-type: none"> AP Physics I AP Physics II AP Physics C 	Science <ul style="list-style-type: none"> AP Physics I AP Physics II AP Physics C
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
Optional CTE Course - Early Childhood Education Capstone Course - Project Based learning//Service-Based Learning Exp./Work-Based Learning	Optional CTE Course - Early Childhood Education Capstone Course - Project Based learning//Service-Based Learning Exp./Work-Based Learning	Optional CTE Course - Early Childhood Education Capstone Course - Project Based learning//Service-Based Learning Exp./Work-Based Learning

HEALTH SCIENCES

A close-up photograph of a student wearing a white lab coat and safety glasses. The student is holding a test tube in their right hand, tilted to pour a yellowish liquid into an Erlenmeyer flask held in their left hand. A glass rod is also visible in the flask. The background is blurred, showing other people in a laboratory setting.

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development.

To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

HEALTH SCIENCES



Biomedical Science & Technology

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Employment in healthcare occupations is **projected to grow 16 percent** from 2020 to 2030, **much faster than the average for all occupations**, adding about 2.6 million new jobs. **Healthcare occupations are projected to add more jobs than any of the other occupational groups.** This projected growth is mainly due to an aging population, leading to greater demand for healthcare services.

The median annual wage for healthcare practitioners and technical occupations (such as registered nurses, physicians and surgeons, and dental hygienists) was \$69,870 in May 2020, which was **higher than the median annual wage for all occupations** in the economy of \$41,950.

Healthcare support occupations (such as home health aides, occupational therapy assistants, and medical transcriptionists) had a median annual wage of \$29,960 in May 2020, lower than the median annual wage for all occupations in the economy.

To learn more about potential career opportunities, visit the following websites:

- **Indiana Career Ready** - https://www.indianacareerready.com/Indemandjobs?cluster=8&jobseeker=1&jobseeker_selectValue=0&Pagefilter=1
- **Healthcare Occupations : Occupational Outlook Handbook: : U.S. Bureau of Labor Statistics (bls.gov)** - <https://www.bls.gov/ooh/healthcare/home.htm>
- **O*NET** - <https://www.onetonline.org/find/quick?s=health+care>
- **Healthcare Overview | Career Cluster / Industry Video Series - YouTube** - <https://www.youtube.com/watch?v=qm6c7KDIQq0>

BIOMEDICAL SCIENCE & TECHNOLOGY

9TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 9 	English Language Arts <ul style="list-style-type: none"> English 9 English 9 Honors 	English Language Arts <ul style="list-style-type: none"> English 9 English 9 Honors
Math <ul style="list-style-type: none"> Algebra I 	Math <ul style="list-style-type: none"> Algebra I Algebra I Honors Algebra II Algebra II Honors 	Math <ul style="list-style-type: none"> Algebra I Algebra I Honors Algebra II Algebra II Honors
Social Studies <ul style="list-style-type: none"> World History Geography/History of the World 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography
Science <ul style="list-style-type: none"> Biology 	Science <ul style="list-style-type: none"> Biology Biology Honors AP Biology 	Science <ul style="list-style-type: none"> Biology Biology Honors AP Biology
PE/Preparing for College and Career Course	PE/Preparing for College and Career Course	PE/Preparing for College and Career Course
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
CTE Principles Course - Principles of Biomedical Sciences	CTE Principles Course - Principles of Biomedical Sciences	CTE Principles Course - Principles of Biomedical Sciences

BIOMEDICAL SCIENCE & TECHNOLOGY

10TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 10 	English Language Arts <ul style="list-style-type: none"> English 10 English 10 Honors 	English Language Arts <ul style="list-style-type: none"> English 10 English 10 Honors
Math <ul style="list-style-type: none"> Algebra II 	Math <ul style="list-style-type: none"> Algebra II Algebra II Honors Geometry Geometry Honors 	Math <ul style="list-style-type: none"> Algebra II Algebra II Honors Geometry Geometry Honors
Social Studies <ul style="list-style-type: none"> World History Geography/History of the World 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography 	Social Studies <ul style="list-style-type: none"> World History Geography/History of the World AP Human Geography
Science <ul style="list-style-type: none"> Chemistry Physics ICP 	Science <ul style="list-style-type: none"> Chemistry AP Chemistry 	Science <ul style="list-style-type: none"> Chemistry AP Chemistry
PEII/Health Courses	PEII/Health Courses	PEII/Health Courses
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
CTE Course - Concentrator A Human Body Systems	CTE Course - Concentrator A Human Body Systems	CTE Course - Concentrator A Human Body Systems

BIOMEDICAL SCIENCE & TECHNOLOGY

11TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 11 	English Language Arts <ul style="list-style-type: none"> English 11 English 11 Honors AP English Language & Composition 	English Language Arts <ul style="list-style-type: none"> English 11 English 11 Honors AP English Language & Composition
Math <ul style="list-style-type: none"> Geometry 	Math <ul style="list-style-type: none"> Geometry Geometry Honors Pre-Calc. Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trigonometry AP Calculus AB 	Math <ul style="list-style-type: none"> Geometry Geometry Honors Pre-Calc. Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trigonometry AP Calculus AB
Social Studies <ul style="list-style-type: none"> US History 	Social Studies <ul style="list-style-type: none"> US History US History Honors AP US History Dual Credit US History 	Social Studies <ul style="list-style-type: none"> US History US History Honors AP US History Dual Credit US History
Science <ul style="list-style-type: none"> Any Core 40 Science Course 	Science <ul style="list-style-type: none"> Physics AP Physics I 	Science <ul style="list-style-type: none"> Physics AP Physics I
SAT Prep Course (Optional)	SAT Prep Course (Optional)	SAT Prep Course (Optional)
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
CTE Course - Concentrator B Medical Interventions	CTE Course - Concentrator B Medical Interventions	CTE Course - Concentrator B Medical Interventions

BIOMEDICAL SCIENCE & TECHNOLOGY

12TH GRADE

CORE 40	CORE 40 WITH ACADEMIC HONORS	CORE 40 WITH TECHNICAL HONORS
English Language Arts <ul style="list-style-type: none"> English 12 	English Language Arts <ul style="list-style-type: none"> English 12 English 12 Honors AP English Language & Composition Dual Credit English I 	English Language Arts <ul style="list-style-type: none"> English 12 English 12 Honors AP English Language & Composition Dual Credit English I
Math <ul style="list-style-type: none"> Pre-Calc. or Trig 	Math <ul style="list-style-type: none"> Pre-Calc. or Trig Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trig AP Calculus AB AP Calculus BC AP Statistics 	Math <ul style="list-style-type: none"> Pre-Calc. or Trig Pre-Calc. & Trig Honors Dual Credit Pre-Calc. & Trig AP Calculus AB AP Calculus BC AP Statistics
Social Studies <ul style="list-style-type: none"> US Government Economics 	Social Studies <ul style="list-style-type: none"> US Government Economics AP US Government AP Micro-economics Dual Credit US Gov. Dual Credit Micro-Economics 	Social Studies <ul style="list-style-type: none"> US History US History Honors AP US History Dual Credit US History
Science <ul style="list-style-type: none"> Any Core 40 Science Course 	Science <ul style="list-style-type: none"> AP Physics I AP Physics II AP Physics C 	Science <ul style="list-style-type: none"> AP Physics I AP Physics II AP Physics C
World Language/Fine Arts	World Language/Fine Arts	World Language/Fine Arts
Optional CTE Course - Biomedical Innovations - Project Based learning//Service-Based Learning Exp./Work-Based Learning	Optional CTE Course - Biomedical Innovations - Project Based learning//Service-Based Learning Exp./Work-Based Learning	Optional CTE Course - Biomedical Innovations - Project Based learning//Service-Based Learning Exp./Work-Based Learning

The background of the cover is a photograph of a classroom desk. On the desk, there is a white tablet computer lying flat, with an open book underneath it. The pages of the book are white and slightly aged. The desk is made of light-colored wood. In the background, there are blue school chairs and a white wall. The entire image has a semi-transparent dark teal overlay.

FORT WAYNE COMMUNITY SCHOOLS

COURSE DESCRIPTIONS

2023-24

Applied Courses

COURSE DESCRIPTIONS



Applied Adult Roles and Responsibilities**FCHAR40301**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester, 1 credit maximum

Counts as an elective or Employability Requirement for the Certificate of Completion

Applied Adult Roles and Responsibilities is recommended for all students as life foundations and academic enrichment for students interested in family and community services, personal and family finance, and similar areas. This course builds knowledge, skills, attitudes, and behaviors that students will need as they complete high school and prepare to take the next steps toward adulthood in today's society. The course includes the study of interpersonal standards, lifespan roles and responsibilities, individual and family resource management, and financial responsibility and resources. A project or community-based approach utilizes problem-solving skills, communication, leadership, self-determination skills, management processes, and fundamentals to succeed in college, career, and community. Service-learning and other authentic applications are strongly recommended.

Applied Preparing for College and Careers**FCHPC40302**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 to 2 semester course 1 credit per semester 2 credit maximum

Counts as an elective or Employability Requirement for the Certificate of Completion

Applied Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to succeed 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 live and work, and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project-based approach is recommended, including computer and technology applications, cooperative ventures between school and community, simulations, and real-life experiences.

Applied Digital Applications and Responsibility**BEHB340100**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 units maximum

Counts as an elective or Employability Requirement for the Certificate of Completion

Applied Digital Applications and Responsibility prepares students to use technology effectively and appropriately in school, job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software and may use highly specialized or individualized technology or software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of using digital devices and software to build decision-making and problem-solving skills. Students may be provided with the opportunity to seek industry-recognized digital literacy certifications.

Applied Business Math**BEHM140102**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 credit maximum

Counts as an elective or Employability Requirement for the Certificate of Completion

Applied 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 the application of money management skills, navigating industry-specific technology and apps, establishing and managing budgets, and maintaining inventory for products and other necessary skills that provides the foundation for students interested in careers in business-related fields and everyday life. The content includes basic mathematical operations related to accounting, banking and finance, marketing, management, and retail. Instructional strategies should include simulations, guest speakers, tours, Internet research, and business experiences. Counts as an Elective for the Certificate of Completion. Fulfills a Mathematics requirement for the Certificate of Completion.

Applied Nutrition and Wellness**FCHN14031**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 units maximum

Counts as an elective or Employability Requirement for the Certificate of Completion

Applied Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment. This is a nutrition class that introduces students to the basics of food preparation so they can become self-sufficient in accessing healthy and nutritious foods. Major course topics include nutrition principles and applications; influences on nutrition and wellness; food preparation, safety, and sanitation; and science, technology, and careers in nutrition and wellness. A project-based approach that utilizes higher-order thinking, communication, leadership, self-determination, and management processes and fundamentals to college and career success is recommended in order to integrate these topics into the study of nutrition, food, and wellness. Food preparation experiences are a required component. Direct, concrete mathematics and language arts proficiencies will be applied. Counts as an Employability Requirement or Elective for the Certificate of Completion.

Applied Interpersonal Relationships**FCHI140301**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 credit maximum

Counts as an elective or Employability Requirement for the Certificate of Completion

Applied Interpersonal Relationships is an introductory course that is relevant for students interested in careers that involve interacting with people and for everyday life relationships. This course addresses knowledge and skills needed for positive and productive relationships in career, community, and family settings. Major course topics include communication skills; leadership, self-determination, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships. A project or community-based approach is recommended in order to apply these topics of interpersonal relationships. This course provides a foundation for all careers and everyday life relationships that involve interacting with people both inside and outside of a business/organization, including team members, clients, patients, customers, the general public, family and friends.

Applied English 9**LAHE140102**

Recommended Grade:	9, 10
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 units maximum

Counts as an elective or Employability Requirement for the Certificate of Completion

Applied English 9 is an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, argumentative/persuasive compositions, and research tasks when appropriate. Students deliver ability-appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information. Counts as an English/Language Arts Requirement for the Certificate of Completion.

Applied English 10**LAHE240102**

Recommended Grade:	9, 10
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 credit maximum

Counts as an elective or Employability Requirement for the Certificate of Completion

Applied English 10 an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, argumentative/persuasive compositions, and research tasks when appropriate. Students deliver ability-appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information. Counts as an English/Language Arts Requirement for the Certificate of Completion.

Applied English 11**LAHE340102**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 units maximum

Counts as an elective or Employability Requirement for the Certificate of Completion

Applied English 11, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade-appropriate multimedia presentations and access online information. Counts as an English/Language Arts Requirement for the Certificate of Completion.

Applied English 12**LAHE440102**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 credit maximum

Counts as an elective or Employability Requirement for the Certificate of Completion

Applied English 12, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare, and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade-appropriate multimedia presentations and access online information. Counts as an English/Language Arts Requirement for the Certificate of Completion.

Applied Health and Wellness Education**HEHH140302**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 units maximum

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

Applied Algebra I**MAHA140102**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 units maximum

Applied Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of five strands: Numbers Sense; Expressions and Computation; Linear Equations; Inequalities and Functions; Systems of Equations and Inequalities and Quadratic and Exponential Equations and Functions. The strands are further developed by focusing on the content of the Algebra content connectors. Counts as a Math Requirement for the Certificate of Completion.

Applied Geometry**MAHG140102**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 credit maximum

Applied English 12, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare, and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade-appropriate multimedia presentations and access online information. Counts as an English/Language Arts Requirement for the Certificate of Completion.

Applied Basic Skills Development

MDHB340100

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	8 units maximum

Applied Basic Skills Development is a multidisciplinary course that provides students continuing opportunities to develop basic skills including: (1) reading, (2) writing, (3) listening, (4) speaking, (5) mathematical computation, (6) note-taking, (7) study and organizational skills, and (8) problem-solving skills, (9) employability skills, which are essential for high school achievement and post-secondary outcomes. Determination of the skills to be emphasized in this course is based on Indiana's standards and Content Connectors, individual school corporation general curriculum plans, and the student's Individualized Education Programs (IEP) or other individualized plans. Skills selected for developmental work allow students to continue to learn in a range of different life situations and may be applied using instructional practices related to community-based instruction. Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion.

Applied Career Information and Exploration

MDHC140100

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 credit maximum

Applied Career Information and Exploration provides students with opportunities to learn about themselves, including interests, strengths and needed supports while exploring various traditional and nontraditional occupations and careers. Students develop skills in (1) employability, (2) understanding the economic process, and (3) career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as community-based instruction, internships, mock interviews, and guest speakers. Portfolio and resume development experience and career-related assessments may also be provided to students. Counts as an Employability Requirement, Capstone Course or Elective for the Certificate of Completion.

Applied Career Exploration Internship

MDHC340100

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 units maximum

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Counts as an Employability Requirement, Capstone Course or elective for the Certificate of Completion

Note: This course is exploratory in nature and, as such, does not qualify for reimbursement under the career and technical education funding formula.

The Applied 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 interest. Unlike a cooperative education program 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 various 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 to help students connect 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.

Applied Physical Education I (L)

PEHP140302

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 units maximum

Applied Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provides students with opportunities to actively participate in at least four of the following: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes individual progress and performance-based skill evaluation. Counts as a Physical Education requirement for the Certificate of Completion.

Applied Physical Education II

PEHP240302

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 credit maximum

Applied Physical Education II focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provides students with opportunities to actively participate in four of the following areas that were not covered in Physical Education I: 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. Ongoing assessment includes individual progress and performance-based skill evaluation. Counts as a Physical Education requirement for the Certificate of Completion.

Applied Biology I**SCHB140102**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 units maximum

Applied 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. Counts as a Science Requirement for the Certificate of Completion.

Applied Earth and Space Science I**SCHS140102**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 credit maximum

Applied 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 and experimentation by conducting investigations and evaluating and communicating the results of those investigations. This course may include a variety of learning experiences and tools to support the process of investigation, data collection, and analysis. Counts as an Elective or Science Requirement for the Certificate of Completion.

Applied Geography and History of the World

SSHG140102

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 units maximum

Applied Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to apply their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions. Geographical and historical skills include forming research questions, acquiring information by investigating a variety of sources, organizing information by creating graphic representations, analyzing information to understand, determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. Students use the knowledge, tools, and skills obtained from this course in order to understand, analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century. Counts as a Social Studies Requirement or Elective for the Certificate of Completion.

Applied Indiana Studies

SSHI140302

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 credit maximum

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

Applied United States History

SHH140102

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	4 units maximum

Applied United States History is a course that builds upon concepts 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 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 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 specific topics or the cause for changes in the nation over time. Counts as a Social Studies Requirement or Elective for the Certificate of Completion.

Advanced Placement & International Baccalaureate

COURSE DESCRIPTIONS



AP 2D Art and Design (4050)
St Art 2D Design Portfolio AP 1
St Art 2D Design Portfolio AP 2

VAHTP90100
VAHTP90200

Recommended Grade:	11, 12
Recommended Prerequisites:	Advanced Laboratory 2-D visual arts courses
Credits:	2 semester course, 1 credit per semester

Counts as a Directed Elective or Elective all diplomas

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

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

AP Biology (L) (3020)

Biology AP 1

Biology AP 2

Biology AP 1

Biology AP 2

SCHB190100
SCHB190200
SCNB190100
SCNB190200

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Biology I and Chemistry I
Credits:	2 semester course, 1 credit per semester

Counts as Science Course all diplomas

Qualifies as a quantitative reasoning course

Laboratory Course

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

AP Calculus AB (2562)**Calculus AB-AP 1****Calculus AB-AP 2****Calculus AB-AP 1****Calculus AB-AP 2****MAHC190100****MAHC190200****MANC190100****MANC190200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Biology I and Chemistry I
Credits:	2 semester course, 1 credit per semester

*Counts as Science Course all diplomas**Qualifies as a quantitative reasoning course**Laboratory Course*

AP Calculus AB 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. AP Calculus AB is equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. This course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

AP Calculus BC (2572)**Calculus BC-AP 1****Calculus BC-AP 2****MANC290100****MANC290200**

Recommended Grade:	11, 12
Required Prerequisites:	Algebra
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

*Counts as a Mathematics Course for all diplomas.**Qualifies as a quantitative reasoning course.*

AP Calculus BC 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. AP Calculus BC is roughly equivalent to both first and second semester college calculus courses, extends the content learned in AP Calculus AB to different types of equations, and introduces the topic of sequences and series. This course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. The content of AP Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for AP Calculus AB.

AP Chemistry (3060)**Chemistry AP 1****Chemistry AP 2****Chemistry AP 1****Chemistry AP 2****SCHC190100****SCHC190200****SCNC190100****SCNC190200**

Recommended Grade:	12
Required Prerequisites:	None
Recommended Prerequisites:	Chemistry I, Algebra II, Precalculus: Algebra/Precalculus: Trigonometry
Credits:	2 semester course, 1 credit per semester

*Counts as a science course for all diplomas**Qualifies as a quantitative reasoning course*

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

AP Computer Science A PLTW (4570)**AP Computer Science A****AP Computer Science A****Computer Science A: PLTW 1****Computer Science A: PLTW 2****BEHA390100****BEHA390200****BEHC390100****BEHC390200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	AP Computer Science OR Computer Science I, Algebra II
Credits:	2 semester course, 1 credit per semester

*Counts as an elective for all diplomas**Fulfills a science course requirement for all diplomas**Qualifies as a quantitative reasoning course*

AP Computer Science A introduces students to computer science through programming. Fundamental topics include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. AP Computer Science A is equivalent to a first-semester, college-level course in computer science.

AP Drawing (4048)**St Art Draw Portfolio AP 1****St Art Draw Portfolio AP 2****VAHDP90100****VAHDP90200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Advanced Laboratory visual arts courses
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills the fine arts requirement for the Core 40 with Academic Honors Diploma

AP Drawing is a course established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The AP Studio Art Program consists of three portfolio exams—2-D Design, 3-D Design, and Drawing—corresponding to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. The Drawing portfolio addresses issues such as line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark-making. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses. The portfolio will have two sections: Sustained Investigation and Selected works.

AP English Language and Composition (1056)**English Language & Comp AP 1****English Language & Comp AP 2****English Language & Comp AP 1****English Language & Comp AP 2****LAHC190100****LAHC190200****LANC190100****LANC190200**

Recommended Grade:	11, 12 (College Board does not designate when this course should be offered)
Required Prerequisites:	None
Recommended Prerequisites:	English 9 and English 10 or teacher recommendation
Credits:	2 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

AP English Language and Composition 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 course focuses on the development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts. The course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. There is no prescribed sequence of study.

AP English Literature and Composition (1058)**English Lit & Comp AP 1****English Lit & Comp AP 2****English Lit & Comp AP 1****English Lit & Comp AP 2**

LAHL190100

LAHL190200

LANL190100

LANL190200

Recommended Grade: 11, 12**Recommended Prerequisites:** English 9 and English 10 or teacher recommendation**Recommended Prerequisites:** Advanced Laboratory visual arts courses**Credits:** 2 semester course, 1 credit per semester

Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.

Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

AP English Literature and Composition 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 course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

AP Environmental Science (3012)**Environmental Science AP 1****Environmental Science AP 2**

SCHE390100

SCHE390200

Recommended Grade: 11, 12**Required Prerequisites:** None**Recommended Prerequisites:** AP Computer Science OR Computer Science I, Algebra II**Credits:** 2 semester course, 1 credit per semester

Counts as an elective for all diplomas

Fulfills a science course requirement for all diplomas

Qualifies as a quantitative reasoning course

AAP Environmental Science is a course based on content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. Students enrolled in AP Environmental Science investigate the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

AP German Language and Culture (2052)**German Language and Culture AP 1****German Language and Culture AP 2**

WLHG190100

WLHG190200

Recommended Grade:	11, 12
Recommended Prerequisites:	German I, II, and III
Credits:	2 semester course, 1 credit per semester

Fulfills a world language requirement for all diplomas

Counts as a directed elective or elective for all diplomas

AP German Language and Culture is a course established and copyrighted by the College Board and follows College Board course guidelines in order to prepare students to be successful on the AP German Language and Culture exam. The course is taught mostly in German and emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This addresses vocabulary usage, language control, communication strategies and cultural awareness. The course engages students in an exploration of culture in both contemporary and historical contexts, developing student awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

AP Microeconomics (1566)**Microeconomics AP**

SSHMI90300

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	AP Computer Science OR Computer Science I, Algebra II
Credits:	2 semester course, 1 credit per semester

Fulfills the Economics requirement for all diplomas.

Counts as an Elective for any diploma.

Qualifies as a Quantitative Reasoning course.

AP Microeconomics 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. AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Topics include Basic Economic Concepts; Nature and Functions of Product Markets; Factor Markets; and Market Failure and the Role of Government.

AP Physics 1: Algebra-Based (L) (3080)**Physics Algebra-Based, AP 1****Physics Algebra-Based, AP 2****SCHP290100****SCHP290200**

Recommended Grade:	10, 11
Required Prerequisites:	None
Recommended Prerequisites:	Algebra I or Integrated Mathematics I
Credits:	2 semester course, 1 credit per semester

*Counts as a science course for all diplomas**Qualifies as a quantitative reasoning course*

AP Physics 1 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. AP Physics 1: Algebra-based is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.

AP Physics 2: Algebra-Based (L) (3081)**Physics Algebra-Based AP 2-1****Physics Algebra-Based AP 2-2****SCHP290101****SCHP290201**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	AP Physics I: Algebra-based
Credits:	2 semester course, 1 credit per semester

*Counts as a science course for all diplomas**Qualifies as a quantitative reasoning course*

AP Physics 2 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. AP Physics 2: Algebra-based is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics.

AP Physics C (L) (3088)**Physics C AP 1****Physics C AP 2****SCHP390101****SCHP390201**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Physics I, Calculus (can be taken concurrently)
Credits:	2 semester course, 1 credit per semester

*Counts as a science course for all diplomas**Qualifies as a quantitative reasoning course.**Counts as an elective for all diplomas.*

AP Physics C 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. There are two AP Physics C courses, Physics C: Mechanics, and Physics C: Electricity and Magnetism. AP Physics C: Mechanics provides instruction in each of the following six content areas: kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. AP Physics C: Electricity and Magnetism provides instruction in each of the following five content areas: electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism.

AP Psychology (1558)**Psychology AP 1****Psychology AP 2****SSH190100****SSH190200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1-2 semester course, 1 credit per semester

*Students should be able to read a college-level textbook and write grammatically correct, complete sentences.**Counts as an elective for all diplomas*

AP Psychology 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 Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. Topics include: History and Approaches; Research Methods; Biological Bases of Behavior; Sensation and Perception; States of Consciousness; Learning; Cognition; Motivation and Emotion; Developmental Psychology; Personality; Testing and Individual Differences; Abnormal Behavior; Treatment of Abnormal Behavior; and Social Psychology.

AP Spanish Language and Culture (2132)**Spanish Language AP 1****Spanish Language AP 2****WLHSL90100****WLHSL90200**

Recommended Grade:	11, 12
Required Prerequisites:	Spanish I, II, and III
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a world language requirement for the Core 40 with Academic Honors

AP Spanish Language and Culture is a course established and copyrighted by the College Board and follows the College Board course guidelines for AP Spanish Language and Culture. The course prepares students to be successful on the AP Spanish Language and Culture exam. The course is not intended to be used as a dual credit course. The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

AP Statistics (2570)**Statistics AP 1****Statistics AP 2****MAHS190100****MAHS190200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Algebra II or Integrated Mathematics III
Credits:	1-2 semester course, 1 credit per semester

Due to the level of rigor, it is recommended that AP Statistics be offered as a 2 semester, 2 credit course

Counts as a Mathematics Course for all diplomas

Qualifies as a quantitative reasoning course

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, non-calculus-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.

AP United States Government and Politics (1560)**US Government & Politics AP****US Government AP****SSHGP90301****SSNG190300**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Students should be able to read a college-level textbook and write grammatically correct sentences
Credits:	2 semester course, 1 credit per semester

Fulfills government requirement for all diplomas

AP United States Government and Politics 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. AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they complete a political science research or applied civics project.

AP United States History (1562)**US History AP 1****US History AP 2****US History AP 1****US History AP 2****SSHH190100****SSHH190200****SSNH190100****SSNH190200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	A 2 semester course, 1 credit per semester

Students should be able to read a college-level textbook and write grammatically correct, complete sentences

Fulfills the US History requirement for all diplomas

AP United States History 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. 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.

AP World History Modern (1612)**AP World History Modern 1****AP World History Modern 2**

SSHW290100

SSHW290200

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Students should be able to read a college-level textbook and write grammatically correct, complete sentences.

Fulfills the geography history of the world/world history and civilization graduation requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diploma.

AP World History Modern AP World History Modern is designed to be the equivalent of a two semester introductory college or university world history course. According to the College Board AP World History Modern students “investigate significant events, individuals, developments, and processes in historical periods from approximately 1200 CE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

IB Biology Higher Level (3032)**Biology Higher Level IB 1****Biology Higher Level IB 2****Biology Higher Level IB 3****Biology Higher Level IB 4****SCHB390100****SCHB390200****SCHB490100****SCHB490200**

Recommended Grade:	11, 12
Required Prerequisites:	Biology I and Chemistry I
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

*Qualifies as a quantitative reasoning course**The minimum prescribed number of hours is 240*

IB Biology Higher Level focuses on six core topics: cell biology, molecular biology, genetics, ecology, evolution/biodiversity, and human physiology. It is based on the curriculum published by the International Baccalaureate Organization. Students must complete additional study in eight topics: nucleic acids, metabolism, cell respiration, photosynthesis, genetics and evolution, animal physiology, and plant biology. Optional course topics for students include neurobiology and behavior, biotechnology and bioinformatics, ecology and conservations, and human physiology.

IB Chemistry Higher Level (3070)**Chemistry Higher Level IB 3****Chemistry Higher Level IB 4****SCHC490100****SCHC490200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Biology I and Chemistry I
Credits:	2 or 4 semester course, 1 credit per semester

*Counts as an elective for all diplomas**Fulfills a Chemistry I requirement for the Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors**Qualifies as a quantitative reasoning course**The minimum prescribed number of hours is 240*

IB Chemistry Higher Level is designed to introduce students to the theories and practical techniques involved in the composition, characterization, and transformation of substances. It is based on the curriculum published by the International Baccalaureate Organization. As the central science, the chemical principles investigated underpin both the physical world in which we live and all biological systems. Students study eleven core topics: stoichiometry, atomic theory, periodicity, bonding, states of matter, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, and organic chemistry. Students must complete additional study in nine topics: atomic theory, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, and organic chemistry. Optional course topics include medicines and drugs, human biochemistry, environmental chemistry, chemical industries, and fuels and energy. Additional options are modern analytical chemistry and further organic chemistry. The minimum prescribed number of hours is 240. Counts as an Elective for all diplomas.

IB Chemistry Standard Level (3072)**SCHC290100 Chemistry Standards Level IB 1****SCHC290200 Chemistry Standards Level IB 2****SCHB390100****SCHB390200**

Recommended Grade:	11, 12
Required Prerequisites:	Biology I and Chemistry I
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

*Qualifies as a quantitative reasoning course**The minimum prescribed number of hours is 150*

IB Biology Higher Level focuses on six core topics: cell biology, molecular biology, genetics, ecology, evolution/biodiversity, and human physiology. It is based on the curriculum published by the International Baccalaureate Organization. Students must complete additional study in eight topics: nucleic acids, metabolism, cell respiration, photosynthesis, genetics and evolution, animal physiology, and plant biology. Optional course topics for students include neurobiology and behavior, biotechnology and bioinformatics, ecology and conservations, and human physiology.

IB Environmental Systems and Societies Standard Level (3016)**Environmental Systems SL IB 3****Environmental Systems SL IB 4****SCHE390101****SCHE390201**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

*Counts as a science elective for all diplomas**Counts as an elective for all diplomas*

The IB DP Environmental Systems and Societies Standard Level course aims to provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. Students' attention is constantly drawn to their own relationship with their environment and the significance of choices and decisions that they make in their own lives. It is intended that students develop a sound understanding of the interrelationships between environmental systems and societies, rather than a purely journalistic appreciation of environmental issues. The teaching approach strives to be conducive to students evaluating the scientific, ethical, and socio-political aspects of issues.

IB History Higher Level (1590)**History Higher Level IB 1****History Higher Level IB 2****History Higher Level IB 3****History Higher Level IB 4**

SSHH490100

SSHH490200

SSHH490101

SSHH490201

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

*Counts as an elective for all diplomas**Fulfills US History requirement only with a regional concentration on the Americas*

The DP history course is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. The course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge. It puts a premium on developing the skills of critical thinking, and on developing an understanding of multiple interpretations of history. In this way, the course involves a challenging and demanding critical exploration of the past. Teachers explicitly teach thinking and research skills such as comprehension, text analysis, transfer, and use of primary sources. There are six key concepts that have particular prominence throughout the DP history course: change, continuity, causation, consequence, significance, and perspectives. The range of content is from 750 CE to the 21st Century.

IB Language A: Literature Higher Level (1130)**Lang A1 Higher Level IB 1****Lang A1 Higher Level IB 2****Lang A1 Higher Level IB 3****Lang A1 Higher Level IB 4**

LAHL490100

LAHL490200

LAHL590100

LAHL590200

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

*Fulfills an English/Language Arts requirement for all diplomas**Counts as an Elective for all diplomas**New assessment in 2021*

The IB Diploma Programme language A: Literature Higher Level develops understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. In language A: literature, the formal analysis of texts and wide coverage of a variety of literature—both in the language of the subject and in translations from other cultures—is combined with a study of the way literary conventions shape responses to texts. Students completing this course will have a thorough knowledge of a range of texts and an understanding of other cultural perspectives. They will also have developed skills of analysis and the ability to support an argument in clearly expressed writing, sometimes at significant length. This course will enable them to succeed in a wide range of university courses, particularly in literature but also in subjects such as philosophy, law and language.

ADVANCED PLACEMENT & INTERNATIONAL BACCALAUREATE COURSES**IB Mathematics: Analysis and Approaches Standard Level (2588)****DP IB Math Standard Level 1****DP IB Math Standard Level 2****MAHM390100****MAHM390200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Students should have strong Algebra II skills
Credits:	2 or 4 semester course, 1 credit per semester

Fulfills a Mathematics course requirement Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors, and International Baccalaureate diplomas

Qualifies as a quantitative reasoning course

Counts as an Elective for all diplomas

The IB Mathematics: Analysis and Approaches course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content. It is for students who enjoy developing mathematical arguments, problem solving, and exploring real and abstract applications, with and without technology. Core topics provide students the opportunity to engage in detailed study of numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus.

IIB Music Higher Level (4212)**Music Higher Level IB 1****Music Higher Level IB 2****Music Higher Level IB 3 CC****Music Higher Level IB 4 CC****MUHM490100****MUHM490200****MUHM590100****MUHM590200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

Counts as a Directed Elective or Elective for all diplomas

The IB Music Higher Level course seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. IB Diploma Programme Music students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology, and context. Through the course of study, students become aware of how musicians work and communicate.

IB Philosophy Higher Level (1600)**Philosophy HL IB 1****Philosophy HL IB 2****Philosophy HL IB 3****Philosophy HL IB 4**

SSHP490100

SSHP490200

SSHP490101

SSHP490201

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

*Counts as a Social Studies Course for the General diploma**Counts as an elective for all diplomas*

The IB Philosophy Higher Level course provides an opportunity for students to engage with some of the world's most interesting and influential thinkers. It also develops highly transferable skills such as the ability to formulate arguments clearly, to make reasoned judgments and to evaluate highly complex and multifaceted issues. The course is focused on stimulating students' intellectual curiosity and encouraging them to examine both their own perspectives and those of others. Students are challenged to develop their own philosophical voice and to grow into independent thinkers. Teachers explicitly teach thinking and research skills such as comprehension, text analysis, transfer, and use of primary sources.

IB Psychology Standard Level (1606)**Psychology SL IB 1****Psychology SL IB 2**

SSHP390101

SSHP390201

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

*Counts as a Social Studies Course for the General diploma.**Counts as an Elective for all diplomas.*

The IB Psychology Standard Level course aims to develop an awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in psychological inquiry. Students learn to understand the biological, cognitive and sociocultural influences on human behavior and explore alternative explanations of behavior. They also understand and use diverse methods of psychological inquiry.

IB Theory of Knowledge (0560)**Theory of Knowledge IB I-1****Theory of Knowledge IB I-2****MDHK190100****MDHK190200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

Counts as a Directed Elective or Elective for all diplomas

IB Theory of Knowledge (TOK) is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It plays a special role in the DP by providing an opportunity for students to reflect on the nature of knowledge, to make connections between areas of knowledge and to become aware of their own perspectives and those of the various groups whose knowledge they share. It is a core element undertaken by all DP students, and schools are required to devote at least 100 hours of class time to the course. The overall aim of TOK is to encourage students to formulate answers to the question "how do you know?" in a variety of contexts, and to see the value of that question. This allows students to develop an enduring fascination with the richness of knowledge.

IB Visual Arts Higher Level (4090)**Visual Arts HL IB 1****Visual Arts HL IB 2****Visual Arts HL IB 3****Visual Arts HL IB 4****VAHV490100****VAHV490200****VAHV590100****VAHV590200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

Counts as a Directed Elective or Elective all diplomas

The IB Visual Arts Standard Level course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to further study of visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. The role of visual arts teachers should be to actively and carefully organize learning experiences for the students, directing their study to enable them to reach their potential and satisfy the demands of the course. Students should be empowered to become autonomous, informed and skilled visual artists.

IB World Language B Higher Level (2306)**WL B HL IB: French IV-1****WL B HL IB: French IV-2****WL B HL IB: French V-3****WL B HL IB: French V-4****WL B HL IB: Spanish IV-1****WL B HL IB: Spanish IV-2****WL B HL IB: Spanish V-3****WL B HL IB: Spanish V-4****WLHF490100****WLHF490200****WLHF590101****WLHF590201****WLHS490100****WLHS490200****WLHS590101****WLHS590202**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester

*Counts as a World Language credit for all diplomas.**Counts as an Elective or Directive Elective for all diplomas.**In the Classical languages: new course assessment 2023*

The IB Language B Higher Level course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Language B is designed for students who possess a degree of knowledge and experience in the target language. Those learning a language B at higher level should be able to follow university courses in other disciplines in the language B that is studied.

DUAL CREDIT COURSES

PARTNERING WITH AREA UNIVERSITIES



PURDUE UNIVERSITY

North Side	Northrop	South Side	Snider	Wayne
Reading, Writing, Inquiry I (DOE 1124)	Analytic Geometry & Calculus I (DOE 2527)	Analytic Geometry & Calculus I (DOE 2527)	Analytic Geometry & Calculus I (DOE 2527)	College Algebra/Trigonometry (DOE 2564/2566)
	Astronomy (DOE 3092)	College Algebra/Trigonometry (DOE 2564/2566)	College Algebra/Trigonometry (DOE 2564/2566)	Intro to Computer Science I (DOE 4801)
	Biology II (DOE 3026)	Practical Quantitative Reasoning (DOE 2550)	Elementary Statistical Methods (DOE 2544)	Reading, Writing, & Inquiry I (DOE 1124)
	College Algebra/Trigonometry (DOE 2564/2566)			Survey of Computer Science (DOE 4801)
	Examining Self as Teacher (DOE 5408)			
	General Chemistry (DOE 3066)			
	Second- Year Spanish I (DOE 2124) Second-Year Spanish II (DOE 2124)			

IVY TECH, FORT WAYNE

North Side	Northrop	South Side	Snider	Wayne
	Architectural Design I (DOE 5650)	French Level I (DOE 2024)	American Government (DOE 1540)	Architectural Design I – WNT (DOE 5650)
	English Composition (DOE 1006)	French Level II (DOE 2024)		Business Ethics (DOE 4560)
	Intro to Design Tech (DOE 4802)	French Level III (DOE 2026)		Business Law (DOE 4560)
	Intro to Literature (DOE 1124)	French Level IV (DOE 2026)		Calculus I (2527)
	Mechanical Graphics (DOE 5644)			College Algebra/ Trigonometry (DOE 2564/2566)
				Customer Service (DOE 6142)
				English Composition (DOE 1006)
				Intro to Business (DOE 4562)
				Intro to Chemistry (DOE 3066)
				Intro to Design Technology – WNT (DOE 4802)

IVY TECH, FORT WAYNE (CONT)

North Side	Northrop	South Side	Snider	Wayne
				Intro to Literature (DOE 1124)
				Intro to Microcomputers (DOE 4528)
				Mechanical Graphics – WNT (DOE 5644)
				Principles of Management (DOE 5268)
				Principles of Marketing (DOE 5914)
				Quantitative Reasoning (DOE 2550)
				Student Success in University (DOE 5394)
				The Entrepreneur and The Enterprise (DOE 5966)

TRINE UNIVERSITY

North Side	Northrop	South Side	Snider	Wayne
Principles of Psychology (DOE 1532)	American History II (DOE 1542)			
	Microeconomics (DOE 1514)	Intro to Government (DOE 1540)		
		Principles of Biology I and Lab (3026)		
		World Civilization I (DOE 1574)		
		World Civilization II (DOE 1574)		

INDIANA UNIVERSITY, BLOOMINGTON

North Side	Northrop	South Side	Snider	Wayne
American History I (DOE 1542)				
Calculus I (2527)				
College Algebra/ Trigonometry (DOE 2564/2566)				
Fundamentals of Economics (DOE 1514)				
German III (DOE 2044)				
German IV (DOE 2046)				
Intro to Government (DOE 1540)				

WAYNE HIGH SCHOOL/IVY TECH

EARLY COLLEGE COURSE SEQUENCE

Grade	Ivy Tech Course	High School Course	Semester or Full Year	TC: Required or Elective	College Credits
9	IVYT 111- Student Success	Careers	Semester	Required	1
9	CINS 101- Introduction to Microcomputers	Digital Applications	Full Year	Required	3
10	MKTG 101- Principles of Marketing	Principles of Marketing	Full Year	Required	3
10	BUSN 101- Introduction to Business	Principles of Business Management	Full Year	Required	3
11	BUSN 106- Customer Service	Customer Service	Semester	Elective	3
11	BUSN 105- Principles of Management	Advanced Business Management	Semester	Elective	3
11	BUSN 201- Business Law	Business Law	Semester	Required	3
11	ENGL 111- English Composition	English Composition	Semester	Required	3
12	ENTR 101- Entrepreneurship	Entrepreneurship & New Ventures	Semester	Required	3
12	ACCT 101- Accounting	Advanced Accounting	Full Year	Required	3
12	ENGL 206- Introduction to Literature	Introduction to Literature	Semester	Required	3

NORTH SIDE HIGH SCHOOL EARLY COLLEGE PROGRAM

Vincennes University 30 Credit Hour Certificate

Grade 10 - Sophomore Year

Course Title	Instructor	College Credits	Length of Course	Tuition Cost	Tuition (Free/Reduced)
IVYT 111- Student Success	NS Teacher	3	1 Semester	Gear Up Grant	\$0.00-VU
Health Course	Ms. Busch	CU Credit 2	1 Semester	Gear Up Grant	\$0.00-VU

Grade 11 - Junior Year

Course Title	Instructor	College Credits	Length of Course	Tuition Cost	Tuition (Free/Reduced)
Bio: Plant & Animal OR Speech	Mr. Fox	4	Full Year	\$100.00 (\$25/credit hour - Bio)	\$0.00-VU
English Composition, I	Ms. Figel	3	Full Year	\$75.00 (\$25/credit hour)	\$0.00-VU
Study Hall			1 Semester		
American History	Mr. Tobin	3	Full Year	\$0	IU

NORTH SIDE HIGH SCHOOL EARLY COLLEGE PROGRAM

Vincennes University 30 Credit Hour Certificate

Grade 12 - Senior Year

Course Title	Instructor	College Credits	Length of Course	Tuition Cost	Tuition (Free/Reduced)
English Composition, II	Mrs. Figel	3	All Year	\$75.00 (\$25/credit hr.)	\$0.00-VU
College Algebra	Mr. Bittner	6	All Year	\$0	\$0.00-IU
VU Online Course/Study Hall	VU Online	3	1 Semester	\$225.00 (\$75/credit hr.)	\$225.00
Speech OR Biology: Plant & Animal	VU Online	3	All Year	\$100.00 (\$25/credit hr. - Bio)	\$0.00-VU
General Psychology	Baumgartner	3	All Year	\$75.00 (\$25/credit hr.)	\$0.00-VU
Intro to Government	Mr. Mertes	3	1 Semester	\$0	IU



ENGLISH LANGUAGE LEARNERS

English Language Learners: Fort Wayne Community Schools is committed to meeting the educational needs of all students and preparing them for the academic demands of post-secondary education. Course and credit requirements for earning a high school diploma applies to all students, including English learners. The mission of our English Language Learner (ELL) program is to ensure equity and access to high-quality education for all English learners while supporting their English language development as they move towards English language proficiency. Fort Wayne Community Schools provides courses in EL Development, EL Domain Support, ELA Content Support and EL Math to ensure that English learners have access to the language support they need while taking credit-bearing courses that count towards graduation requirements.

English Language Development

ENL Newcomer ELA (1012)

ENL Newcomer ELA 1

ENL Newcomer ELA 2

LAHNC50100

LAHNC50200

Recommended Proficiency:	Level 1 with more intense need
Co-requisite:	ENL Newcomer WL
Credits:	2 semester course 1 credit per semester

Up to 8 credits accrued may count as English/Language Arts credits for all diplomas.

ENL Newcomer ELA, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana's Academic Standards for English/Language Arts at a low Entering proficiency level. Taken alongside ENL Newcomer WL.

ENL Newcomer WL (2188)**ENL Newcomer WL 1****ENL Newcomer WL 2****WLHNC50100****WLHNC50200**

Recommended Proficiency:	Level 1 with more intense need
Co-requisite:	ENL Newcomer ELA
Credits:	2 semester course 1 credit per semester

Up to 8 credits accrued may count as World Language credits for all diplomas.

ENL Newcomer WL, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana's Academic Standards for World Languages at a Novice Low to a Novice Mid-level. Taken alongside ENL Newcomer ELA.

ENL Entering ELA (1012)**ENL Entering ELA 1****ENL Entering ELA 2****LAHEN50100****LAHEN50200**

Recommended Proficiency:	Level 1
Co-requisite:	ENL Entering WL
Credits:	2 semester course 1 credit per semester

Up to 8 credits accrued may count as English/Language Arts credits for all diplomas.

ENL Entering ELA, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana's Academic Standards for English/Language Arts at an Entering proficiency level. Taken alongside ENL Entering WL.

ENL Entering WL (2188)**ENL Entering WL 1****ENL Entering WL 2****WLHEN50100****WLHEN50200****Recommended Proficiency:**

Level 1

Co-requisite:

ENL Entering ELA

Credits:

2 semester course

1 credit per semester

Up to 8 credits accrued may count as World Language credits for all diplomas.

ENL Entering WL, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana's Academic Standards for World Languages at a Novice Low to a Novice High level. Taken alongside ENL Entering ELA.

ENL Emerging ELA (1012)**ENL Emerging ELA 1****ENL Emerging ELA 2****LAHEM50100****LAHEM50200****Recommended Proficiency:**

Level 2

Co-requisite:

ENL Emerging ELA

Credits:

2 semester course

1 credit per semester

Up to 8 credits accrued may count as English/Language Arts credits for all diplomas.

ENL Emerging ELA, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana's Academic Standards for English/Language Arts at an Emerging proficiency level. Taken alongside ENL Emerging WL.

ENL Emerging WL (2188)**ENL Emerging WL 1****ENL Emerging WL 2****WLHEM50100****WLHEM50200****Recommended Proficiency:**

Level 2

Co-requisite:

ENL Emerging ELA

Credits:

2 semester course

1 credit per semester

Up to 8 credits accrued may count as World Language credits for all diplomas.

ENL Emerging WL, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana's Academic Standards for World Languages at a Novice High to Intermediate Low level. Taken alongside ENL Emerging ELA.

EL Developing (2188)**EL Developing 1****EL Developing 2****WLHDV50100****WLHDV50100****Recommended Proficiency:**

Level 2-3

Credits:

2 semester course

1 credit per semester

Up to 8 credits accrued may count as World Language credits for all diplomas.

ENL Developing, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework addresses Indiana's Academic Standards for World Languages at an Intermediate Low to an Intermediate Mid level. All students should be concurrently enrolled in an English course in which class work will address all of the Indiana Academic Standards for English.

EL Expanding (2188)**EL Expanding 1****EL Expanding 2****WLHEX50100****WLHEX50200****Recommended Proficiency:**

Level 3-4

Credits:

2 semester course

1 credit per semester

Up to 8 credits accrued may count as World Language credits for all diplomas.

ENL Expanding, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework focuses on the Speaking and Listening domains. Addresses Indiana's Academic Standards for World Languages at an Intermediate Mid-level to Advanced Low level. All students should be concurrently enrolled in an English course in which class work will address the Indiana Academic Standards for English.

ENL Critical Reading (2188)**ENL Critical Reading 1****ENL Critical Reading 2****WLHCR50100****WLHCR50100****Recommended Proficiency:**

Level 3-4

Credits:

2 semester course

1 credit per semester

Up to 8 credits accrued may count as World Language credits for all diplomas.

ENL Critical Reading, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework focuses on the reading domain and addresses Indiana's Academic Standards for World Languages at an Intermediate Mid-level to Advanced Low level. All students should be concurrently enrolled in an English course in which class work will address the Indiana Academic Standards for English.

ENL Enriched Vocabulary and Writing (2188)**ENL Enriched Vocabulary and Writing 1****ENL Enriched Vocabulary and Writing 2**

WLHVW50100

WLHVW50200

Recommended Proficiency:

Level 3-4

Credits:

2 semester course

1 credit per semester

Up to 8 credits accrued may count as World Language credits for all diplomas.

ENL Enriched Vocabulary and Writing, an integrated English course based on the WIDA English Language Development Standards, is the study of language, literature, composition and oral communication for English learners so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Students study English vocabulary used in fictional texts and content-area texts, speak and write English so that they can function within the regular school setting and an English-speaking society, and deliver oral presentations appropriate to their respective levels of English proficiency. Coursework focuses on the writing domain and addresses Indiana's Academic Standards for World Languages at an Intermediate Mid level to Advanced Low level. All students should be concurrently enrolled in an English course in which class work will address the Indiana Academic Standards for English.

ELA Content Support

EL English 9 (1002)**EL English 9-1****EL English 9-2**

LAH0950100

LAH0950200

Recommended Proficiency:

Level 2-4

Credits:

2 semester course

1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas.

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

EL English 9 Support Lab (1010)**EL English 9 Support Lab 1****EL English 9 Support Lab 2****LAH9S50100****LAH9S50200****Recommended Proficiency:**

Level 2-4

Co-requisite:

English 9 or EL English 9

Credits:

2 semester course

1 credit per semester

Counts as an elective for all diplomas.

EL English 9 Support Lab is a supplemental course that provides English Learners with individualized or small group instruction designed to support success in completing Language Arts coursework aligned with Indiana's Academic Standards for English 9 focusing on the writing standards. EL English 9 Support Lab combines standards from English 9 with WIDA English Language Development (ELD) Standards. To be taken concurrently with English 9 or EL English 9.

EL English 10 (1004)**EL English 10-1****EL English 10-2****LAHE250100****LAHE250200****Recommended Proficiency:**

Level 2-4

Required Prerequisites:

EL English 9 or English 9

Credits:

2 semester course

1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas.

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

EL English 10 Support Lab (1010)**EL English 10 Support Lab 1****EL English 10 Support Lab 2****LAHES50100****LAHES50200****Recommended Proficiency:**

Level 2-4

Co-requisite:

English 10 or EL English 10

Credits:

2 semester course

1 credit per semester

Counts as an Elective for all Diplomas.

EL English 10 Support Lab is a supplemental course that provides English Learners with individualized or small group instruction designed to support success in completing Language Arts coursework aligned with Indiana's Academic Standards for English 10 focusing on the writing standards. EL English 10 Support Lab combines standards from English 10 with WIDA English Language Development (ELD) Standards. To be taken concurrently with English 10 or EL English 10.

EL Math**EL Basic Math I (0500)****EL Basic Math I-1****EL Basic Math I-2****MDHMA50100****MDHMA50200****Recommended Proficiency:**

Level 1-3

Credits:

2 semester course

1 credit per semester

Counts as an Elective for all Diplomas.

EL Basic Math I is a course that provides English Learners with individualized instruction to prepare students to be successful with high school mathematics course work. Students will have the opportunity to develop mathematical foundations including basic computation and mathematical fluency skills, which are essential for high school course work achievement.

EL Basic Math II (0500)**EL Basic Math II-1****EL Basic Math II-2****MDHMA50101****MDHMA50201****Recommended Proficiency:**

Level 1-3

Credits:
 2 semester course
 1 credit per semester
Counts as an Elective for all Diplomas.

EL Basic Math 2 is a course that provides English Learners with individualized instruction to prepare students to be successful with high school mathematics course work. Students will have continuing opportunities to develop mathematical foundations including computation and mathematical fluency skills, which are essential for high school course work achievement.

EL Algebra I Lab (2516)**EL Algebra I Lab****EL Algebra II Lab****MAHA150100****MAHA150200****Recommended Proficiency:**

Level 1-4

Co-requisites:

Algebra I

Credits:
 2 semester course
 1 credit per semester

Fulfills a Mathematics course requirement for the General Diploma only or as an elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas
Algebra I Lab is designed as a support course for Algebra I. As such, a student taking Algebra I Lab must also be enrolled in Algebra I during the same academic year.

Algebra I Lab is a mathematics support course for Algebra I. This course provides English Learners with additional time to build the foundations necessary for high school math courses, while concurrently having access to rigorous, grade-level appropriate courses. However, whereas Algebra I contains exclusively grade-level content, EL Algebra I Lab combines standards from high school courses with foundational standards from the middle grades.

EL Mathematics Lab–Algebra II (2560)

EL Mathematics Lab–Algebra II-1

EL Mathematics Lab–Algebra II-2

MAHA250100

MAHA250200

Recommended Proficiency:

Level 1-4

Co-requisites:

Algebra II

Credits:

2 semester course

1 credit per semester

Fulfills an elective course requirement for all diplomas

EL Mathematics Lab – Algebra II provides English Learners with individualized instruction designed to support success in completing mathematics coursework aligned with Indiana’s Academic Standards for Algebra II. EL Mathematics Lab – Algebra II combines standards from Algebra II with foundational standards from the middle grades and standards from Algebra I. Course to be taken concurrently with Algebra II.

Career Focused & Technical

Accounting • Automotive Trades • Broadcasting • Business •
Construction Trades • Cosmetology • Culinary Arts •
Digital Design • Education • Engineering • Entrepreneurship •
Healthcare • Human Services • Interior Design •
Information Technology • Marketing • Precision Machining •
Public Safety • Welding

COURSE DESCRIPTIONS



Accounting Fundamentals (4524)**Accounting Fundamentals 1****Accounting Fundamentals 2****BEHA100100****BEHA100200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Business Management
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Accounting Fundamentals introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making. Formerly called Introduction to Accounting. Principles course is not required until 24-25 school year because this course is included in Perkins V pathways.

Advanced Accounting (4522)**Advanced Accounting 1****Advanced Accounting 2****BEHAA00100****BEHAA00200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Business Management; Accounting Fundamentals
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas. Qualifies as a quantitative reasoning course.

Advanced Accounting expands on the Generally Accepted Accounting Principles (GAAP) and procedures for various forms of business ownership using double-entry accounting covered in Accounting Fundamentals, including an emphasis on payroll accounting. Topics covered include calculating gross pay, withholdings, net pay, direct deposits, journalizing payroll transactions and preparing individual earnings records and payroll registers. Emphasis is placed on applying Generally Accepted Accounting Principles through hands-on practice with popular commercial accounting software packages that are currently used in business.

Automotive Body Repair (7213) - Available at Career Academy

AUTO BDY REP

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Collision Repair
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Automotive Body Repair provides students with an understanding of the materials, measuring, welding, and information resources applicable to collision repair. Students will study steel and aluminum dent repair, including the welding practices commonly performed within an automotive repair environment. Students will gain basic skills and knowledge in oxy-fuel welding, cutting, brazing and plasma cutting, gas metal arc welding, squeeze type resistance welding, exterior panel welding and I-CAR welding test preparation. Students will also learn the installation of moldings, ornaments, and fasteners with emphasis on sheet metal analysis and safety.

Automotive Service Capstone (7375) - Available at Career Academy

AUTO SRV CAP

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Automotive Services; Brake Systems; Steering and Suspensions
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

This course further explores important skills and competencies within the Automotive Service Technology Pathway. Students will be exposed to an in-depth study of vehicle electrical systems. Students will study the fundamentals of electricity and automotive electronics in various automotive systems. Students will understand other topics such as Engine Repair, Climate Control, and Driveline Service. Additionally, Co-Op and Internship opportunities will be available for students

Brake Systems (7205) - Available at Career Academy

BRK SYS

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Automotive Services
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

This course 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.

Collision Repair Capstone (7380) - Available at Career Academy

COLL RPR CAP

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Collision Repair; Plastic Body Repair and Paint Fundamentals; Automotive Body Repair
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

This course further explores important skills and competencies within the Automotive Body Technology Pathway. Topics such as Automotive Painting Technology, Collision Damage Appraising, and Fiberglass Plastic Repair. Additionally, Co-Op and Internship opportunities will be available for students.

Plastic Body Repair and Paint Fundamentals (7206) - Available at Career Academy

PAINT FUND

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Collision Repair; Automotive Body Repair
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Plastic Body Repair and Paint Fundamentals introduces the types of fiberglass and plastic materials used in auto body repair and considerations for automotive painting. Students will explore methods for repairing fiberglass and plastic damage, like welding, reinforcing, repairing holes, and retexturing plastic. Students will be asked to demonstrate the proper use of primers and sealers, spraying techniques, and an understanding of various paint finishes.

Principles of Automotive Services (7213) - Available at Career Academy

PRIN AUTO SER

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

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.

Principles of Collision Repair (7215) - Available at Career Academy

PRIN COL REP

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Principles of Collision Repair provides students an overview of the operating, electrical, 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 collision industry. Students will study the basics of collision repair, along with learning to perform basic service and maintenance, including the car's starting and charging system.

Steering and Suspensions (7206) - Available at Career Academy

STEER SUSP

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Automotive Services; Brake Systems
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

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

Audio and Video Production Essentials (7306) - Available at Career Academy, South Side & Snider**Audio and Video Production 1****Audio and Video Production 2****BEHAV00100****BEHAV00200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Broadcasting
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

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. This course counts as a directed elective or elective for all diplomas.

Mass Media Production (7307)**Mass Media Performance I****Mass Media Performance II****BEAMM00100****BEAMM00200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Broadcasting; Audio and Video Production Essentials
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

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.

Principles of Broadcasting (7139)**Principles of Radio & TV 1****Principles of Radio & TV 2****BEHPR00100****BEHPR00200**

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

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.

Radio and Television I (5986)**Radio & TV I:1****Radio & TV I:2****BEHR100100****BEHR100200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Communications
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

Schools wishing to offer this course for multiple credits should utilize Next Level Programs of Study courses.

Radio and Television I focuses on communication, media, and production. Emphasis is placed on career opportunities, production, programming, promotion, sales, performance, and equipment operation. Students will also study the history of communication systems as well as communication ethics and law. Students will develop oral and written communication skills, acquire software and equipment operation abilities, and integrate teamwork skills. Instructional strategies may include a hands-on school-based enterprise, real and/or simulated occupational experiences, job shadowing, field trips, and internships.

Radio and Television II (5992)**Radio & TV II:1****Radio & TV II:2****BEHR200100****BEHR200200**

Recommended Grade:	12
Required Prerequisites:	Radio and Television I
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

This course counts as a directed elective or elective for all diplomas.

Radio and Television II prepares students for admission to television production programs at institutions of higher learning. Students train on professional equipment creating a variety of video projects. During this second-year program students integrate and build on first-year curriculum while mastering advanced concepts in production, lighting and audio.

Radio & TV Broadcasting Capstone (7308)**RAD TV BROAD CAP**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Broadcasting; Audio and Video Production Essentials; Mass Media Production
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

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.

Business Math (4512)**Business Math 1****Business Math 2****BEHM100100****BEHM100200**

Recommended Grade:	10, 11
Required Prerequisites:	None
Recommended Prerequisites:	Algebra 1
Credits:	1-2 semester course, 1 credit per semester, 2 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

Fulfills a Mathematics requirement for the General Diploma or Certificate of Completion only. Qualifies as a quantitative reasoning course.

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

Introduction to Business (4518) - Available at South Side Only**Introduction to Business****Introduction to Business 1****Introduction to Business 2****BEHB100300****BEHB100100****BEHB100200**

Recommended Grade:	9, 10
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1-2 semester course, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Introduction to Business introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and/or international scale. The course covers business management, entrepreneurship, marketing fundamentals, and business ethics and law. The course develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.

Principles of Business Management (4562)**Principles of Business Management 1****Principles of Business Management 2****BEHBM00100****BEHBM00200**

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	Digital Applications and Responsibility
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

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.

Advanced Electrical (7119) - Available at Career Academy

ADV ELEC

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Construction Trades
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

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.

Construction Trades Capstone (7242) - Available at Career Academy

CSTR TR CAP

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Construction Trades; Construction Trades: General Carpentry; Construction Trades: Framing and Finishing
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas
Counts as a quantitative reasoning course

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 1 certificates.

Construction Trades Electrical Capstone (7242) - Available at Career Academy

CT ELEC CAP

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Construction Trades; Electrical Fundamentals; Advanced Electrical
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas
Counts as a quantitative reasoning course

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.

Construction Trades: Framing and Finishing (7122) - Available at Career Academy

CON TRD FR FIN

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Construction Trades; Construction Trades: General Carpentry
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

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.

Construction Trades: General Carpentry (7123) - Available at Career Academy

CON TRD GC

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Construction Trades; or Principles of Architecture, Engineering and Construction
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

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.

Construction Trades: Masonry Fundamentals (7390) - Available at Career Academy

MASON FUND

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Construction Trades; Construction Trades: General Carpentry
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

The Masonry Fundamentals course covers foundations of completing masonry work including safety, tools, and the basics of brick and block construction. After mastering the basics, students will be introduced to advanced masonry techniques including control and expansion joints, corners and intersections. Students will also understand the impacts of climate on masonry work and how to inspect masonry work for quality control.

Electrical Fundamentals (7124) - Available at Career Academy

ELEC FUND

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Construction Trades
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

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.

HVAC Capstone (7244) - Available at Career Academy

HVAC CAP

Recommended Grade:	11, 12
Required Prerequisites:	Principles of HVAC; HVAC Fundamentals; HVAC Service
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas

Counts as a quantitative reasoning course

The HVAC Capstone course covers procedures used to analyze mechanical and electrical problems encountered when servicing heating systems. Topics include electrical schematics and connection diagrams, combustion testing, venting and combustion air requirements, sequence of operation, heating controls, troubleshooting techniques, installation practices, basic codes applying to furnace codes, and service procedures. Students may also have the opportunity to gain an understanding of Heat Pump Systems or to develop skills needed to fabricate and install duct work. This course will use lecture, lab and online simulation to prepare students for the nationally recognized certification exam as part of the outcome assessment learning objectives.

HVAC Fundamentals (7125) - Available at Career Academy

HVAC FUN

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of HVAC
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

HVAC Fundamentals introduces fundamentals applicable to the heating and refrigeration phases of air conditioning. Includes types of units, parts, basic controls, functions, and applications. Emphasizes practices, tool and meter use, temperature measurement, heat flow, the combustion process and piping installation practices. Covers the basic sequence of operation for gas, oil and electric furnaces. Introduction to compression systems used in mechanical refrigeration including the refrigeration cycle and system components. Introduces safety procedures, proper use of tools used to install and service refrigeration equipment, refrigerant charging and recovery, system evacuation, calculating superheat and subcooling and using a refrigerant temperature/pressure chart. This course will use lecture, lab and online simulation to prepare students for the nationally recognized certification exam as part of the outcome assessment learning objectives.

HVAC Service (7126) - Available at Career Academy

HVAC SER

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of HVAC; HVAC Fundamentals
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

HVAC Service continues the study of air conditioning and refrigeration along with the procedures used to analyze mechanical and electrical problems encountered when servicing heating systems. Students will better understand compressors, metering devices, system recharging, refrigerant recovery, basics of motor types, equipment installation and troubleshooting practices as they apply to air conditioning and refrigeration systems. Additionally, students will be able to understand electrical schematics and connection diagrams, combustion testing, venting and combustion air requirements, sequence of operation, heating controls, troubleshooting techniques, installation practices, basic codes applying to furnace codes, and service procedures. This course will use lecture, lab and online simulation to prepare students for the nationally recognized certification exam as part of the outcome assessment learning objectives.

Masonry Capstone (7391) - Available at Career Academy

MASON CAP

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Construction Trades; Construction Trades: General Carpentry; Construction Trades: Masonry Fundamentals
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas

The Masonry Capstone course builds upon the basics learned in the Masonry Fundamentals course. Advanced topics include construction of specialty techniques like sound-barrier walls, arches, acid and refractory brick, and glass block. Students will also learn the advantages and process of repairing and restoring masonry work. The course may be aligned to a pre-apprenticeship program that will lead to direct admittance into a full registered apprenticeship program. The program includes approximately 300 hours of instruction with on-the-job training.

Principles of Construction Trades (7130) - Available at Career Academy

PRIN CON TR

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

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.

Principles of Heating, Ventilation, and Air Conditioning (7131) - Available at Career Academy

PRN HVAC

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Construction
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

Principles of Heating, Ventilation and Air Conditioning (HVAC) covers many of the topics needed for students to be successful in the mechanical construction industry. Its modules include history of HVAC industry, OSHA 10-hour construction industry training, communication and customer service skills. This course will also cover basic electricity concepts.

Advanced Cosmetology (7332) - Available at Career Academy**ADV COSMO**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Barbering and Cosmetology; Barbering and Cosmetology Fundamentals
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

This course should be coenrolled with TSD. This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams.

Advanced Cosmetology will emphasize the development of advanced skills in styling, hair coloring, permanent waving, facials, manicuring, chemical texturizing, and hair cutting techniques. Students will also further study anatomy and physiology as it applies to hair care professions. Successful completion of the course requires at least 375 studio hours.

Barbering and Cosmetology Capstone (7334) - Available at Career Academy**COSMO CAP**

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Barbering and Cosmetology; Barbering and Cosmetology Fundamentals; Advanced Cosmetology or Advanced Barbering
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas

This course may require extended hours of participation in order to meet the 1500 hours required for the Cosmetology and Barbering exams.

Barbering and Cosmetology Capstone builds and improves previously developed skills with emphasis on developing individual techniques. Professionalism, shop management, psychology in relation to barbering and cosmetology, and preparation for state board examination are stressed. Successful completion of the course requires at least 375 studio hours.

Barbering and Cosmetology Fundamentals (7331) - Available at Career Academy**COSMO FUND**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Barbering and Cosmetology
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Barbering and Cosmetology Fundamentals focuses on the development of practical skills introduced in Principles of Barbering and Cosmetology. Clinical application and theory in the science of barbering and cosmetology are introduced. Successful completion of the course requires at least 375 Cosmetology studio hours.

Culinary Arts (7169) - Available at Career Academy**CUL ARTS**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Culinary and Hospitality
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

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.

Culinary Arts Capstone (7233) - Available at Career Academy**CUL ARTS CAP**

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Culinary and Hospitality; Nutrition; Culinary Arts
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas

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.

Hospitality Management (7172) - Available at Career Academy**HOSP MAN**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Culinary and Hospitality
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Hospitality Management prepares students for employment in the hospitality industry. It provides the foundations for study in higher education that leads to a full spectrum of hospitality careers. This is a broad-based course that introduces students to all segments of hospitality, what it includes, and career opportunities that are available; provides a survey of management functions, highlighting basic theories and facts; and exposes students to current trends and current events within the industry. Three major goals of this course are for students to be able to identify current trends in hotel and restaurant management, distinguish the difference between hospitality and tourism, and state differences in front of the house versus back of the house.

Nutrition (7171)**Nutrition 1****Nutrition 2****FCHFT00100****FCHFT00200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Culinary and Hospitality
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

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.

Nutrition and Wellness (5342)**Nutrition and Wellness****FCHN100300**

Recommended Grade:	9, 10
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 credit per semester, 1 credits maximum

Counts as an Elective or Directed Elective for all diplomas.

Qualifies as one of the FACS courses a student can take to waive the Health & Wellness graduation requirement. To qualify for the Health and Wellness waiver, a student must take three of the approved courses. For more information, see 511 IAC 6-7.1- 4(c)(6).

Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers related to nutrition, food, and wellness. This is a nutrition class that introduces students to only the basics of food preparation so they can become self-sufficient in accessing healthy and nutritious foods. Major course topics include nutrition principles and applications; influences on nutrition and wellness; food preparation, safety, and sanitation; and science, technology, and careers in nutrition and wellness. A project-based approach that utilizes higher-order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of nutrition, food, and wellness. Food preparation experiences are a required component. Direct, concrete mathematics and language arts proficiencies will be applied. This course is the first in a sequence of courses that provide a foundation for continuing and post-secondary education in all career areas related to nutrition, food, and wellness.

Principles of Culinary & Hospitality (7173)**Principles of Culinary & Hospitality 1****Principles of Culinary & Hospitality 2****FCHPH00100****FCHPH00200**

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

Principles of Culinary and Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the foodservice and lodging industry. Introduces procedures for decision-making that 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 foodservice industry including proper operation techniques for equipment.

Design Fundamentals (4834)**DES FUND**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Communications
Credits:	1 or 2 semester course, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Design Fundamentals introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving in the area of communication technology. Student learning experiences encompass art history, art criticism, aesthetics, and production, which lead to the creation of portfolio-quality works. Students 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 in areas of communication; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills.

Digital Design Graphics (7141) - Available at North Side**DIG DES GRAPH**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Digital Design
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

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

Digital Design Graphics (7141) - Available at North Side**DIG DES CAP**

Recommended Grade:	11, 12
Required Prerequisites:	Digital Design Concentrator Sequence
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas

The Digital Design Capstone course provides students the opportunity to dive deeper into advanced concepts of Visual Communication including user experience/user interface design, video production editing, animation and/or web design. Depending on the length of the course, students may focus their efforts on one area or explore multiple aspects.

Design Fundamentals (4834) - Available at Career Academy**DES FUND**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Communications
Credits:	1 or 2 semester course, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Design Fundamentals introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving in the area of communication technology. Student learning experiences encompass art history, art criticism, aesthetics, and production, which lead to the creation of portfolio-quality works. Students 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 in areas of communication; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills.

Digital Design Graphics (7141) - Available at North Side**DIG DES GRAPH**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Digital Design
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

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

Digital Design Capstone (7246) - Available at Career Academy**DIG DES CAP**

Recommended Grade:	11, 12
Required Prerequisites:	Digital Design Concentrator Sequence
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas

The Digital Design Capstone course provides students the opportunity to dive deeper into advanced concepts of Visual Communication including user experience/user interface design, video production editing, animation and/or web design. Depending on the length of the course, students may focus their efforts on one area or explore multiple aspects.

Interactive Media (5232) - Available at Snider Only**Interactive Media 1****Interactive Media 2****BEHIM10100****BEHIM10200**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Communication, Digital Applications and Responsibility
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Schools wishing to offer this course for multiple credits should utilize Next Level Programs of Study courses.

Interactive Media prepares students for careers in business and industry working with interactive media products and services which includes the entertainment industries. This course emphasizes the development of digitally-generated or computer-enhanced products using multimedia technologies. Students will develop an understanding of professional business practices including the importance of ethics, communication skills, and knowledge of the "virtual workplace."

Interactive Media Design (7138) - Available at North Side and Snider**IN MED DES**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Digital Design; Digital Design Graphics
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Interactive Media Design focuses on the tools, strategies, and techniques for interactive design and emerging technologies, like web and social media. Students will learn the basics of planning, shooting, editing and post-producing video and sound. Additionally, students will explore the process of integrating text, graphics, audio and video for effective communication of information.

Advanced Child Development (5360) - Available at Northrop
Advanced Child Development

FCHC300300

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Child Development
Credits:	1 or 2 semester course, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

Advanced Child Development is for those students interested in life foundations, academic enrichment, and/or careers related to knowledge of children, child development, and nurturing of children. This course addresses issues of child development from ages four through age eight (grade three). It builds on the Child Development course, which is a prerequisite. Advanced Child Development includes the study of professional and ethical issues in child development; child growth and development; child development theories, research, and best practices; child health and wellness; teaching and guiding children; special conditions affecting children; and career exploration in child development and nurturing. A project-based approach that utilizes higher order thinking, communication, leadership, management, and fundamentals to college and career success is recommended in order to integrate these topics into the study of child development. Direct, concrete mathematics and language arts proficiencies will be applied.

Child and Adolescent Development (7157)

CHLD ADL DEV

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Teaching
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

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.

Child Development (5362)**Child Development**

FCHC100300

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 credit per semester, 1 credit maximum

This course counts as a directed elective or elective for all diplomas.

Child Development is an introductory course for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers that draw on knowledge of children, child development, and nurturing of children. This course addresses issues of child development from conception/prenatal through age 3. It includes the study of prenatal development and birth; growth and development of children; child caregiving and nurturing; and support systems for parents and caregivers. A project-based approach that utilizes higher-order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of child development. Direct, concrete mathematics and language arts proficiencies will be applied. Authentic applications such as introductory laboratory/field experiences with young children and/or service-learning that build knowledge of children, child development, and nurturing of children are strongly recommended. This course provides the foundation for continuing and post-secondary education in all career areas related to children, child development, and nurturing of children.

Early Childhood Education Curriculum (7158) - Available at Career Academy

EAR CHD ED CUR

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Early Childhood Education
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

Early Childhood Education Curriculum examines developmentally appropriate environments and activities in various childcare settings while exploring the varying developmental levels and cultural backgrounds of children. Students may be required to complete observations and field experiences with children as related to this course.

Early Childhood Education Guidance (7159) - Available at Career Academy

EAR CHD ED GD

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Early Childhood Education
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

This course allows students to analyze developmentally appropriate guidance, theory and implementation for various early care and education settings. It also provides a basic understanding of the anti-bias/multicultural emphasis in the field of early childhood. Students may be required to complete observations and field experiences with children as related to this course.

Education Professions Capstone (7158)**ED PROF CAP**

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Teaching, Child and Adolescent Development; Teaching and Learning
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

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.

Education Professions I (5408)**ED PROF I**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Nutrition and Wellness; Child Development; Advance Child Development; Interpersonal Relationships
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

Education Professions I provides the foundation for employment in education and related careers and prepares students for study in higher education. An active learning approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate suggested topics into the study of education and related careers. The course of study includes, but is not limited to: the teaching profession, the learner and the learning process, planning instruction, learning environment, and instructional assessment strategies. Exploratory field experiences in classroom settings and career portfolios are required components. A standards-based plan guides the students' field experiences. Students are monitored in their field experiences by the Education Professionals I teacher. Articulation with post-secondary programs is encouraged.

Education Professions II (5408)**ED PROF II**

Recommended Grade:	12
Required Prerequisites:	Education Professions I
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

Education Professions II prepares students for employment in education and related careers and provides the foundation for study in higher education in these career areas. An active learning approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate suggested topics into the study of education and related careers. The course of study includes, but is not limited to: the teaching profession, the learner and the learning process, planning instruction, learning environment, and instructional and assessment strategies. Extensive field experiences in one or more classroom settings, resumes, and career portfolios are required components. A standards-based plan guides the students' field experiences. Students are monitored in their field experiences by the Education Professions II teacher. Articulation with post-secondary programs is encouraged.

Principles of Early Childhood Education (7158) - Available at Career Academy

PRIN EAR CH ED

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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

Principles of Teaching (7161)

Principles of Teaching 1

Principles of Teaching 2

**FCHPT00100
FCHPT00200**

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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.

Teaching and Learning (7162)

TEACH LRN

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Teaching
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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.

PLTW Civil Engineering and Architecture (5650) - Available at Northrop and Wayne**Civil Engineering & Architecture: PLTW 1****Civil Engineering & Architecture: PLTW 2****Civil Eng & Architecture: PLTW 1****Civil Eng & Architecture: PLTW 2****TEHCE91100****TEHCE91200****TENCE91100****TENCE91200**

Recommended Grade:	11, 12
Required Prerequisites:	Introduction to Engineering Design
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

*Counts as a directed elective or elective for all diplomas**Qualifies as a quantitative reasoning course.*

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

PLTW Principles of Engineering (5644) - Available at Northrop**Principles of Engineering: PLTW 1****Principles of Engineering: PLTW 2****Principles of Engineering: PLTW 1****Principles of Engineering: PLTW 2****TEHPE91100****TEHPE91200****TENPE91100****TENPE91200**

Recommended Grade:	10, 11
Required Prerequisites:	Introduction to Engineering Design
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

*Counts as a directed elective or elective for all diplomas**Fulfills a science course requirement for all diplomas*

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

Entrepreneurship and New Ventures Capstone (5966)**Entrepreneur & New Ventures 1****Entrepreneur & New Ventures 2****BEHE100100****BEHE100200**

Recommended Grade:	12
Required Prerequisites:	Any CTE Concentrator Sequence except Entrepreneurship
Recommended Prerequisites:	Earn CTE Concentrator Status in any CTE program or program of study
Credits:	2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas

Entrepreneurship and New Ventures Capstone introduces entrepreneurship, and developing skills and tools critical for starting and succeeding in a new venture. The entrepreneurial process of opportunity recognition, innovation, value proposition, competitive advantage, venture concept, feasibility analysis, and "go to" market strategies will be explored through mini case studies of successful and unsuccessful entrepreneurial start-ups. Additionally, topics of government and legal restrictions, intellectual property, franchising location, basic business accounting, raising startup funding, sales and revenue forecasting and business plan development will be presented through extensive use of word processing, spreadsheet and presentation software.

New Venture Development (7148) - Available at Amp Lab**NEW VENT**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Entrepreneurship
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

New Venture Development is targeted to students interested in creating and growing their own businesses. The course will focus on key marketing strategies particularly relevant for new ventures. Students will apply marketing concepts to entrepreneurial company challenges, which include creating and nurturing relationships with new customers, suppliers, distributors, employees and investors; and understand the special challenges and opportunities involved in developing marketing strategies "from the ground up."

Personal Financial Responsibility (4540) - Available at Wayne Only**Personal Financial Responsibility****Personal Financial Responsibility****BEHP100300****BENP100300**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 credit per semester, 1 credits maximum

Counts as a directed elective or elective for all diplomas

Qualifies as a quantitative reasoning course

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.

Preparing for College and Careers (5394)**Preparing for College & Careers****BEHPC00300**

Recommended Grade:	9
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1-2 semester course, 1 credit per semester, 2 credits maximum

Qualifies as one of the FACS courses a student can take to waive the Health & Wellness graduation requirement. To qualify for a waiver, a student must take three of the approved courses. For more information, please see 511 IAC 6-7.1-4(c)(6).

Counts as a directed elective or elective for all diplomas

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 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing 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.

Principles of Entrepreneurship (7154) - Available at Amp Lab**Principles of Entrepreneurship 1****Principles of Entrepreneurship 2****BEHPE00100**
BEHPE00200

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Principles of Entrepreneurship focuses on students learning about their own strengths, character and skills and how their unique abilities can apply to entrepreneurship, as well as how an entrepreneurial mindset can serve them regardless of their career path. Students will learn about the local, regional and state resources and will begin to understand and apply the entrepreneurial process. The course helps students to identify and evaluate business ideas while learning the steps and competencies required to launch a successful new venture. The course helps students apply what they have learned from the content when they write a Personal Vision Statement, a Business Concept Statement, and an Elevator Pitch.

Small Business Operation Amp Lab (7147) - Available at Amp Lab**SM BUS OPER**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Entrepreneurship; New Venture Development
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Small Business Operations will help students identify and evaluate the various sources available for funding a new enterprise; demonstrate an understanding of financial terminology; read, prepare, and analyze basic financial statements; estimating capital requirements and risk, exit strategies; and prepare a budget for their business, including taxes and personnel costs. In addition, the student should be able to explain the importance of working capital and cash management. The student should also be able to identify financing needs, and prepare sales forecasts.

Technical Skills Development (7156) - Available at Career Academy**TECH SKL DEV**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Concurrently enrolled in a Next Level Programs of Study Concentrator A and/or B course
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

May be used by a student more than once as long as it is two separate programs of study.

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.

Central Service Technician Capstone (7257) - Available at Career Academy**CENT SRV TECH CAP**

Recommended Grade:	
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas.

Central Services Technician Capstone course emphasizes the practice of sterilization skills that have been learned in previous courses. Students will focus on high and low sterilization methods. Students will differentiate between the various sterilization methods. Students will learn the protocol for control infection and the spread of blood borne pathogens. Additionally this course will provide students the opportunity to complete practical hours toward the hours required to complete the International Association of Healthcare Central Services Material Management Certification Exam.

Central Service Technician Fundamentals (7163) - Available at Career Academy**CEN SER TEC FUN**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Healthcare
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

This course introduces students to the field of central service and prepares students to identify surgical instruments by category type and use. Students will learn the principles and importance of the flow of material along with the environmental control factors affecting the central service department. The student will differentiate between equipment management systems and compare out-sourcing and insourcing.

Central Service Technician Fundamentals (7163) - Available at Career Academy**CERT CL MED AST**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Healthcare; Medical Terminology
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

The Certified Clinical Medical Assistant course will prepare students for the National Healthcare Association CCMA exam. Instruction includes taking and recording vital signs, preparing patients for examination, patient education, and assisting the physician during the exam. The collecting and preparation of laboratory specimen and basic laboratory test will be covered. Prepares for the administration of medication, venipuncture, ECG, and wound care. Provides a basic understanding of the clinical and administrative duties and responsibilities pertinent to medical offices. Includes instruction in medical correspondence and records, case histories of patients, filing, telephone procedures, appointment scheduling, receptionist duties, and processing mail. Written, verbal and nonverbal communications according to patient needs are covered as well as documentation and associated legal and ethical boundaries.

Emergency Medical Tech (7165) - Available at Career Academy**EMT**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Healthcare; Medical Terminology
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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.

Healthcare Specialist Capstone (7255)**HC SPEC CAP**

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Healthcare; Medical Terminology; Healthcare Specialist: CNA; EMT or Certified Clinical Medical Assistant (CCMA)
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas.

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.

Healthcare Specialist: CNA (7166) - Available at Career Academy**HC SPEC CAN**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Healthcare
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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.

Medical Terminology (5274) - Available at Career Academy**MED TERMS**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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

Principles of Exercise Science (7320)**PRIN EXER SCI**

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

Principles of Exercise Science provides an introduction to the science of exercise and human movement. Special topics include exercise physiology, sport biomechanics, sports medicine, and motor integration. Additionally, the course will examine career options in sport, health and wellness, education, and the medical fields like personal trainer, athletic training and physical therapy.

Principles of Healthcare (7168) - Available at Career Academy**PRIN HLCR**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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.

Human and Social Services I (5336) - Available at North Side**HUMN SRVS 1**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Nutrition and Wellness; Interpersonal Relationships; Child Development; or Human Development and Wellness
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

Human and Social Services I is an introductory/exploratory course for students interested in careers in human and community services and other helping professions. Areas of exploration include family and social services, youth development, and adult and elder care, and other for-profit and non-profit services. This project-based course will help students integrate higher order thinking, communication, leadership, and management processes to conduct investigations in human and social services at the local, state, national, or global/world level. Research and development, interdisciplinary projects, and/or collaboration with post-secondary faculty, community agencies or organizations, or student organizations are appropriate approaches.

Students will be introduced to human and social services professions through presentations from a variety of guest speakers, job shadowing, field trips and introductory and exploratory field experiences. Case studies, role play, and application of professional codes of ethics will be utilized reflecting the challenges of working in diverse communities. Service learning experiences are highly recommended. Achievement of applicable FACS, academic, and employability competencies will be documented through a student portfolio.

Human and Social Services II (5462) - Available at North Side**HUMN SRVS II**

Recommended Grade:	12
Required Prerequisites:	Human and Social Services I
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

Human and Social Services II is a core component of the Family and Human Services pathway. The course prepares students for occupations and higher education programs related to assisting individuals and families in meeting their potential. Through work based experiences, students apply the knowledge and skills developed in the Human Services Foundations course. Concentration areas include family and social services, youth development, and adult and elder care. Ethical, legal, and safety issues, as well as helping processes and collaborative ways of working with others, will be addressed. Learning experiences will involve analysis of the influence of culture and socioeconomic factors on individual choices and opportunities, service delivery models, and theoretical perspectives. Intensive laboratory/field experiences in one or more human social service agencies are a required component of this course. Student laboratory/field experiences may be either school-based, if available, or "on the job" in community-based agencies, or a combination of the two. A standards-based plan guides the students' laboratory/field experiences. Students are monitored in their laboratory/field experiences by the Human and Social Services II teacher. Achievement of applicable standards will be documented through a student portfolio. Articulation with post-secondary programs is encouraged.

Principles of Human Services (7176) - Available at South Side**Principles of Human Services 1****Principles of Human Services 2**

FCHHS00100

FCHHS00200

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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

Relationships and Emotions (7177) - Available at South Side**Relationships and Emotions 1****Relationships and Emotions 2**

FCHR200100

FCHR200200

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Human Services
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

Relationship & Emotions examines the key elements of healthy relationships. Explores the main problems that damage relationships. Presents research findings on successful and unsuccessful relationships, and emotional connections. Explores the impact of one's emotional and relationship history on current and future romantic relationships. Additionally, this course offers practical and useful information for people who have experienced loss. Students have the opportunity to evaluate their own experiences and attitudes toward loss and grief. Counts as a directed elective or elective for all diplomas.

Understanding Diversity (7174) - Available at South Side

UND DIV

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Human Services
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

Relationship & Emotions examines the key elements of healthy relationships. Explores the main problems that damage relationships. Presents research findings on successful and unsuccessful relationships, and emotional connections. Explores the impact of one's emotional and relationship history on current and future romantic relationships. Additionally, this course offers practical and useful information for people who have experienced loss. Students have the opportunity to evaluate their own experiences and attitudes toward loss and grief. Counts as a directed elective or elective for all diplomas.

Interior Design Fundamentals (7127)**Interior Design Fundamentals 1****Interior Design Fundamentals 2****FCHID00100****FCHID00200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Interior Design
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credit maximum

Counts as a directed elective or elective for all diplomas.

Interior Design Fundamentals provides students with an overview of the field of interior (environmental) design, including an understanding of fundamental construction knowledge and skills needed in the field. Exercises include small scale space analysis and functional planning based on user needs, furniture arrangement and selection, materials and finishes considerations and presentation techniques. Students will also learn basics regarding building practices, building structures, residential construction techniques, building materials and plan reading. Includes building codes, sustainable design practices, and the preparation of site and construction plans, elevations, sections, three-dimensional drawings details and hand renderings as they relate to construction and presentation drawings.

Principles of Interior Design (7132)**Principles of Interior Design 1****Principles of Interior Design 2****FCHPI00100****FCHPI00200**

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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

Computer Science I (4801)

Computer Science I-1

Computer Science I-2

Computer Science I-1

Computer Science I-2

BEHCS00100

BEHCS00200

BENCS00100

BENCS00200

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Computer Science
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Fulfills a science course requirement for all diplomas

Qualifies as a quantitative reasoning course

Schools wishing to offer this course for multiple credits should utilize Next Level Programs of Study courses.

Computer Science I introduces the structured techniques necessary for the efficient solution of business-related computer programming logic problems and coding solutions into a high-level language. The fundamental concepts of programming are provided through explanations and effects of commands and hands-on utilization of lab equipment to produce accurate outputs. Topics include program flowcharting, pseudo coding, and hierarchy charts as a means of solving problems. The course covers creating file layouts, print charts, program narratives, user documentation, and system flowcharts for business problems; algorithm development and review, flowcharting, input/output techniques, looping, modules, selection structures, file handling, control breaks, and offers students an opportunity to apply skills in a laboratory environment.

Computer Science II (5236)

CS II PROG

Recommended Grade:	11, 12
Required Prerequisites:	Computer Science I
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Fulfills a science course requirement for all diplomas

Qualifies as a quantitative reasoning course

Schools wishing to offer this course for multiple credits should utilize Next Level Programs of Study courses.

Computer Science II explores and builds skills in programming and a basic understanding of the fundamentals of procedural program development using structured, modular concepts. 67 Indiana Department of Education High School Course Titles and Descriptions Coursework emphasizes logical program design involving user-defined functions and standard structure elements. Discussions will include the role of data types, variables, structures, addressable memory locations, arrays and pointers, and data file access methods. An emphasis on logical program design using a modular approach, which involves task-oriented program functions.

Cybersecurity (5253) - Available at Snider & Wayne
Cybersecurity 1 PLTW
Cybersecurity 2 PLTW
Cybersecurity 1 PLTW
Cybersecurity 2 PLTW

BEHC490100
BEHC490200
BENCS90100
BENCS90200

Recommended Grade:	11, 12
Required Prerequisites:	Computer Science I
Recommended Prerequisites:	Computer Science II
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Qualifies as a quantitative reasoning course.

Fulfills a science course requirement for all diplomas

Schools wishing to offer this course for multiple credits should utilize Next Level Programs of Study courses.

Computer Science III: Cybersecurity introduces the secure software development process including designing secure applications, writing secure code designed to withstand various 69 Indiana Department of Education High School Course Titles and Descriptions types of attacks, and security testing and auditing. It focuses on the security issues a developer faces, common security vulnerabilities and flaws, and security threats. The course explains security principles, strategies, coding techniques, and tools that can help make software fault tolerant and resistant to attacks. Students will write and analyze code that demonstrates specific security development techniques. Students will also learn about cryptography as an indispensable resource for implementing security in real-world applications. Students will learn foundations of cryptography using simple mathematical probability. Information theory, computational complexity, number theory, and algebraic approaches will be covered. NOTE: This course aligns with the PLTW Cybersecurity curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

Digital Applications and Responsibility (4528)
Digital Applications & Responsibility
Digital Applications & Responsibility 1
Digital Applications & Responsibility 2
Digital Application & Responsibility

BEHT100300
BEHT100100
BEHT100200
BENT100300

Recommended Grade:	Any
Required Prerequisites:	Computer Science I
Recommended Prerequisites:	Computer Science II
Credits:	1-2 semester course, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or in everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision-making and problem-solving skills. Students should be provided with the opportunity to seek industry-recognized digital literacy certifications.

Information Technology Fundamentals (7180) - Available at Career Academy

INFO TECH FUN

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Computing
Recommended Prerequisites:	None
Credits:	1-2 semester course, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Information Technology Fundamentals provides the necessary competencies required for an entry-level Information Technology professional. Students will have the knowledge required to assemble components based on customer requirements, install, configure and maintain devices/software for end users, understand the basics of networking and security, properly and safely diagnose, resolve and document common hardware and software issues while applying troubleshooting skills. Students will also learn appropriate customer support, understand the basics of virtualization, desktop imaging, and deployment. This course should also prepare students for the CompTia A+ Certification Exam.

Networking and Cybersecurity Operations (7181) - Available at Career Academy

INFO TEC SUP SER

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Computing; Information Technology Fundamentals
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Information Technology Fundamentals provides the necessary competencies required for an entry-level Information Technology professional. Students will have the knowledge required to assemble components based on customer requirements, install, configure and maintain devices/software for end users, understand the basics of networking and security, properly and safely diagnose, resolve and document common hardware and software issues while applying troubleshooting skills. Students will also learn appropriate customer support, understand the basics of virtualization, desktop imaging, and deployment. This course should also prepare students for the CompTia A+ Certification Exam.

Software Development (7184) - Available at Career Academy

SOFTDEV

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Computing
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas

Counts as a quantitative reasoning course

Counts as a science credit

Software Development introduces students to concepts and practices of programming languages and software development. Students are introduced to algorithms and development tools used to document/implement computer logic. Discusses the history of software development, the different types of programming such as real time processing, web/database applications, and different program development environments. Concepts will be applied using different programming languages, and students will develop and test working programs in an integrated system.

Software Development Capstone (7253) - Available at Career Academy

SW DEV CAP

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Computing; Website and Database Development; Software Development
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Software Development Capstone provides a basic understanding of the fundamental concepts involved when using an object oriented programming language. The emphasis is on logical program design using a modular approach involving task-oriented program functions. Object-oriented concepts such as methods, attributes, inheritance, exception handling, and polymorphism are utilized. Applications are developed using these concepts and include developing a graphical user interface, selecting forms and controls, assigning properties and writing code. Students will also build upon their web design experiences in previous courses by taking an in-depth look into client- and server-side scripting aspects including Java Script and PHP: hypertext preprocessor along with other scripting tools.

Topics in Computer Science (7351) - Available at Wayne

TOP COMP SCI

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Computing
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Counts as a quantitative reasoning course.

Counts as a science credit.

Topics in Computer Science is designed for students to investigate emerging disciplines within the field of computer science. Students will use foundational knowledge from 7183 Principles of Computing to study the areas of data science, artificial intelligence, app/game development, and security. Students will utilize knowledge related to these areas and programming skills to develop solutions to authentic problems.

Website and Database Development (7185) - Available at Career Academy

WEB DATA DEV

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Computing
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Counts as a quantitative reasoning course.

Counts as a science credit.

Website and Database Development will provide students a basic understanding of the essential Web and Database skills and business practices that directly relate to Internet technologies used in Web site and Database design and development. Students will learn to develop Web sites using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Additionally students will be introduced to the basic concepts of databases including types of databases, general database environments, database design, normalization and development of tables, queries, reports, and applications. Students will be familiarized with the use of ANSI Standard Structured Query Language. Students will be introduced to data concepts such as data warehousing, data mining, and BIG Data. Students will develop a business application using database software such as Microsoft Access.

Marketing Fundamentals (5914)
Marketing Fundamentals 1
Marketing Fundamentals 2

BEHPM00100
BEHPM00200

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Business Management
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

** Formerly Principles of Marketing; Principles course is not required until 2024-25 school year because this course is included in Perkins V pathways.*

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.

Strategic Marketing (5918)
Strategic Marketing 1
Strategic Marketing 2

BEHSM00100
BEHSM00200

Recommended Grade:	10, 11, 12 *
Required Prerequisites:	Principles of Business Management*; Marketing Fundamentals
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-2 credit per semester, 4 credits maximum

This course counts as a directed elective or elective for all diplomas.

** Principles course is not required until 2024-25 school year because this course is included in Perkins V pathways.*

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.

Precision Machining Capstone (7219) - Available at Career Academy**PREC MACH CAP**

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Precision Machining; Precision Machining Fundamentals; Advanced Precision Machining Management
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas
Qualifies as a quantitative reasoning course

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.

Precision Machining Fundamentals (7105) - Available at Career Academy**MACH FUN**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Precision Machining
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-2 credit per semester, 4 credits maximum

This course counts as a directed elective or elective for all diplomas.
Qualifies as a quantitative reasoning course.
It is recommended that Precision Machining program of study be taught in a 2-3 period block of time.
VU dual credit requires that Precision Machining Fundamentals and Advanced Precision Machining be completed concurrently.

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.

Precision Machining I (5782) - Available at Career Academy**PRSN MACH I**

Recommended Grade:	11, 12
Required Prerequisites:	Introduction to Advanced Manufacturing
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

Qualifies as a quantitative reasoning course.

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.

Principles of Precision Machining (7109) - Available at Career Academy**PRIN PREC MACH**

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Advanced Manufacturing
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

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.

Corrections and Cultural Awareness (7188) - Available at Career Academy**CRT CORR**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Criminal Justice; Law Enforcement Fundamentals
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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.

Law Enforcement Fundamentals (7191) - Available at Career Academy**LAW ENF FUND**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Criminal Justice
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

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.

Principles of Criminal Justice (7191) - Available at Career Academy**PRIN CR JUST**

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

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.

Gas Welding Processes (7101) - Available at Career Academy**GAS WEL PRC**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Welding Technology
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

Schools may choose to cover both introductory MIG and TIG Welding. This configuration is available for dual credit through ITCC.

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.

Principles of Welding Technology (7110) - Available at Career Academy**PRIN WEL TCH**

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Advanced Manufacturing
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

This course counts as a directed elective or elective for all diplomas.

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.

Shielded Metal Arc Welding (7111) - Available at Career Academy**SHLD MAW**

Recommended Grade:	10, 11, 12
Required Prerequisites:	Principles of Welding Technology
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

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.

Welding Technology Capstone (7226) - Available at Career Academy**WELD TECH CAP**

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Welding Technology; Shielded Metal Arc Welding; Gas Welding Processes
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credit per semester, 6 credits maximum

This course counts as a directed elective or elective for all diplomas.

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.

FINE ARTS

COURSE DESCRIPTIONS



Advanced Acting (4250)

ADV ACTING

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Theatre Arts
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Advanced Acting is based on the Indiana Academic Standards for Theater. Students enrolled in Advanced Acting research, create, and perform characters through script analysis, observation, collaboration and rehearsal. These activities should incorporate elements of theater history, culture, analysis, response, creative process and integrated studies. Additionally, students explore career opportunities in the theater by attending plays, meeting actors and discussing their work, and becoming theater patrons in their community.

Advanced Chorus (L) (4188)**Advanced Chorus I-1****Advanced Chorus I-2****Advanced Chorus II-1****Advanced Chorus II-2****Advanced Chorus III-1****Advanced Chorus III-2****Advanced Chorus IV-1****Advanced Chorus IV-2****Advanced Chorus: Show 1****Advanced Chorus: Show 2**

MUHC300100

MUHC300200

MUHC300101

MUHC300201

MUHC300102

MUHC300202

MUHC300103

MUHC300203

MUHC300104

MUHC300204

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Beginning and Intermediate Chorus
Credits:	1 semester course 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Counts as a directed elective or elective for all diplomas.

Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Laboratory Course.

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

Advanced Concert Band (L) (4170)**Advanced Concert Band I-1****Advanced Concert Band I-2****Advanced Concert Band II-1****Advanced Concert Band II-2****Advanced Concert Band III-1****Advanced Concert Band III-2****MUHB300100****MUHB300200****MUHB300101****MUHB300201****MUHB300102****MUHB300202**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Beginning and Intermediate Concert Band
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Counts as a directed elective or elective for all diplomas.

Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma Laboratory Course.

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

Advanced Orchestra (L) (4174)**Advanced Orchestra I-1****Advanced Orchestra I-2****Advanced Orchestra II-1****Advanced Orchestra II-2****Advanced Orchestra III-1****Advanced Orchestra III-2****Advanced Orchestra IV-1****Advanced Orchestra IV-2**

MUHO300100

MUHO300200

MUHO300101

MUHO300201

MUHO300102

MUHO300202

MUHO300103

MUHO300203

Recommended Grade:

10, 11, 12

Recommended Prerequisites:

Beginning and Intermediate Orchestra

Credits:

1 semester course 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Advanced Orchestra is based on the Indiana Academic Standards for High School Instrumental Music. Students in this ensemble are provided with a balanced comprehensive study of music through the orchestra, string and/or full orchestra, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop and refine elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of orchestral 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 performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

Advanced Technical Theatre (4252) - Available at South Side Only**ADV TECH TH**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Technical Theatre I and II (L)
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Advanced Acting is based on the Indiana Academic Standards for Theater. Students enrolled in Advanced Acting research, create, and perform characters through script analysis, observation, collaboration and rehearsal. These activities should incorporate elements of theater history, culture, analysis, response, creative process and integrated studies. Additionally, students explore career opportunities in the theater by attending plays, meeting actors and discussing their work, and becoming theater patrons in their community.

Advanced Theatre Arts (L) (4240) - Available at Snider Only**Advanced Theatre Arts I-1****Advanced Theatre Arts I-2****Advanced Theatre Arts II-1****Advanced Theatre Arts II-2****THHA200300****THHA200301****THHT200302****THHT200303**

Recommended Grade:	10, 11, 12
Recommended Prerequisites:	Beginning and Intermediate Orchestra
Credits:	1 semester course 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Advanced Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Advanced Theatre Arts 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.

Advanced Three Dimensional Art (L) (4006)
Advanced Three-Dimensional Art

VAHA200300

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Two- Dimensional Art, Introduction to Three-Dimensional Art
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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 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.

Advanced Two-Dimensional Art (L) (4004)**Advanced Two-Dimensional Art I****Advanced Two-Dimensional Art I-1****Advanced Two-Dimensional Art I-2****Advanced Two-Dimensional Art II-1****Advanced Two-Dimensional Art II-2****Advanced Two-Dimensional Art III-1****Advanced Two-Dimensional Art III-2**

VAHT200300

VAHT200100

VAHT200200

VAHT200101

VAHT200201

VAHT200102

VAHT200202

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Two-Dimensional Art
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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.

Applied Music (L) (4200)**Applied Music: Percussion 1****Applied Music: Percussion 2****Applied Music Jazz I-1****Applied Music Jazz I-2****Applied Music Jazz II-1****Applied Music Jazz II-2****MUHAM00101****MUHAM00201****MUHJ100100****MUHJ100200****MUHJ200100****MUHJ200200****Recommended Grade:**

Any

Required Prerequisites:

None

Recommended Prerequisites:

None

Credits:

1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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

Beginning Chorus (L) (4182)**MUHC100100 Beginning Chorus I-1****MUHC100200 Beginning Chorus I-2****VAHA200300****Recommended Grade:**

Any

Required Prerequisites:

None

Recommended Prerequisites:

None

Credits:

1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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

Beginning Concert Band (L) (4160)**Beginning Concert Band I-1****Beginning Concert Band I-2****MUHB100100****MUHB100200**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Beginning Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course are provided with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature. 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 music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

Beginning Orchestra (L) (4166)**Beginning Orchestra I-1****Beginning Orchestra I-2****MUHO100100****MUHO100200**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Beginning Orchestra is based on the Indiana Academic Standards for High School Instrumental Music. Students in this ensemble are provided with a balanced comprehensive study of music through the orchestra, string and/or full orchestra, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop and refine elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of orchestral 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.

Ceramics (L) (4040)**Ceramics I****Ceramics I-1****Ceramics I-2****Ceramics II-1****Ceramics II-2****Ceramics III-1****Ceramics III-2****Ceramics IV-1****Ceramics IV-2**

VAHE100300

VAHE100100

VAHE100200

VAHE200100

VAHE200200

VAHE300100

VAHE300200

VAHE400100

VAHE400200

Recommended Grade:

10, 11, 12

Required Prerequisites:

None

Recommended Prerequisites:Introduction to Two-Dimensional Art,
Introduction to Three-Dimensional Art**Credits:**

1 semester course 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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, wheel throwing, slip and glaze techniques, and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

Choral Chamber Ensemble (L) (4180)**Choral Chamber Ensemble 1****Choral Chamber Ensemble 2****MUHCE00100****MUHCE00200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	One year or two semesters of Beginning Chorus
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Choral Chamber Ensemble is based on the Indiana Academic Standards for High School Choral Music. Student musicianship and specific performance skills in this course are enhanced through specialized small group instruction. The activities expand the repertoire of a specific genre. Chamber ensemble classes provide instruction in creating, performing, listening to, and analyzing music in addition to focusing on specific subject matter. 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 music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

Dance Choreography: Ballet, Modern, Jazz, or Ethnic-Folk (L) (4142)**Dance Choreography I-1****Dance Choreography I-2****Dance Choreography II-1****Dance Choreography II-2****DAHC100100****DAHC100200****DAHC200100****DAHC200200**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

A non-licensed dance instructor may be contracted to provide instruction with a licensed Fine Arts teacher serving as the teacher of record.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Dance Choreography is based on the Indiana Academic Standards for Dance. Learning activities in choreography are sequential and systematic and allow students to express themselves. A wide variety of materials and experiences are used in order to provide students with the knowledge, skills, and appreciation of the multi-styled and multicultural dance expressions. Choreographic activities provide students opportunities to participate in roles as a soloist, a choreographer or leader, and in a subject role. Students also explore a wide variety of choreographic philosophies as well as administrative and media skills necessary for the promotion and documentation of works to be performed. Students experience and learn to use appropriate terminology to describe, analyze, interpret, and critique dance compositions by professional individuals or companies.

Dance Performance: Ballet, Modern, Jazz, or Ethnic-Folk (L) (4146)**Dance Performance I-1****Dance Performance I-2****Dance Performance II-1****Dance Performance II-2****Dance Performance III-1****Dance Performance III-2****Dance Performance IV-1****Dance Performance IV-2****Dance Performance V-1****Dance Performance V-2****DAHP100100****DAHP100200****DAHP200100****DAHP200200****DAHP300100****DAHP300200****DAHP400100****DAHP400200****DAHP500100****DAHP500200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

A non-licensed dance instructor may be contracted to provide instruction with a licensed Fine Arts teacher serving as the teacher of record.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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

Drawing (L) (4060)**VAHR100300 Drawing I****VAHR100100 Drawing I-1****VAHR100200 Drawing I-2****VAHR200100 Drawing II-1****VAHR200200 Drawing II-2****VAHR300100 Drawing III-1****VAHR300200 Drawing III-2****DAHC100100****DAHC100200****DAHC200100****DAHC200200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Two-Dimensional Art
Credits:	1 semester course 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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

Digital Design (L) (4082)**Digital Design 1****Digital Design 2****FAND100100****FAND200200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Two-Dimensional Art
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Digital Design is a course based on the Indiana Academic Standards for Visual Art. Students in digital design engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. They incorporate desktop publishing, multi-media, digitized imagery, computer animation, and web design. Students 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.

Electronic Music (L) (4202)**Electronic Music 1****Electronic Music 2****MUHEM00100****MUNEM00200**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Electronic Music is based on the Indiana Academic Standards for High School Music Technology. Students taking this course are provided with a wide variety of activities and experiences to develop skills in using electronic media and current technology to perform, create, and respond to music.

Graphic Design and Layout (5550) - Available at Snider Only**Graphic Design and Layout****Graphic Design and Layout****TIHGD00100****TIHGD00200**

Recommended Grade:	11, 12
Required Prerequisites:	Principles of Digital Design; Digital Design Graphics
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Graphic Design and Layout teaches design process and the proper and creative use of type as a means to develop effective communications for global, corporate and social application. Students will create samples for a portfolio, which may include elements or comprehensive projects in logo, stationery, posters, newspaper, magazine, billboard, and interface design.

Instrumental Ensemble (4162)**INSTR ENS**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	One year or two semesters of Beginning Concert Band
Credits:	1 semester course, 1 credit per semester

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Instrumental Ensemble is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course are provided with a balanced comprehensive study of chamber ensemble and solo literature, which develops skills in the psychomotor, cognitive and affective domains. Students develop and refine elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature as pertaining to chamber ensemble and solo 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.

Intermediate Chorus (L) (4186)**Intermediate Chorus I-1****Intermediate Chorus I-2****MUHC200100****MUHC200200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Beginning Chorus
Credits:	1 semester course1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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

Intermediate Concert Band (L) (4168)**Intermediate Concert Band I-1****Intermediate Concert Band I-2****MUHB200100****MUHB200200**

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Beginning Concert Band
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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

Intermediate Orchestra (L) (4172)**Intermediate Orchestra I-1****Intermediate Orchestra I-2****Intermediate Orchestra II-1****Intermediate Orchestra II-2****MUHO200100****MUHO200200****MUHO200101****MUHO200201****Recommended Grade:** 10, 11, 12**Required Prerequisites:** None**Recommended Prerequisites:** Beginning Orchestra**Credits:** 1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Intermediate Orchestra is based on the Indiana Academic Standards for High School Instrumental Music. Students in this ensemble are provided with a balanced comprehensive study of music through the orchestra, string and/or full orchestra, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop and refine elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of orchestral literature, and integration of other applicable disciplines. 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 music goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

Introduction to Two Dimensional Art (L) (4000)**Intro to Two-Dimensional Art****VAHT100300**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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.

Introduction to Three Dimensional Art (L) (4002)**Introduction to Three-Dimensional Art****VAHA100300**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma.

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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.

Jazz Ensemble (L) (4164)**Jazz Ensemble 1****Jazz Ensemble 2**

MUHZ100100

MUHZ100200

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	One year or two semesters of Beginning Concert Band
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized
Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma
Counts as a Directed Elective or Elective for all diplomas.
Laboratory Course

Jazz Ensemble is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course develop musicianship and specific performance skills through group and individual settings for the study and performance of varied styles of instrumental jazz. Instruction includes the study of the history, formative, and stylistic elements of jazz. Students develop their creative skills through improvisation, composition, arranging, performing, listening, and analyzing. A limited amount of time outside of the school day may be scheduled for rehearsals and performances. In addition, a limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students must participate in performance opportunities outside of the school day that support and extend the learning in the classroom. Student participants must also be receiving instruction in another band or orchestra class offering at the discretion of the director.

Jewelry (L) (4042)**Jewelry I-1****Jewelry I-2****Jewelry II-1****Jewelry II-2**

VAHJ100100

VAHJ100200

VAHJ200100

VAHJ200200

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Two-Dimensional Art; Introduction to Three-Dimensional Art
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Jewelry is a course based on the Indiana Academic Standards for Visual Art. Students in Jewelry 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 jewelry design and fabrication techniques including, sawing, piercing, filing, and soldering. 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.

Music History and Appreciation (4206)**Music History & Appreciation****Music History & Appreciation****Music History & Appreciation**

MUHHA00100

MUHHA00200

MUHHA00300

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized
Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma
Counts as a Directed Elective or Elective for all diplomas.
Laboratory Course

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

Musical Theatre (0518)**Musical Theatre**

THHMT00300

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized
Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma
Counts as a Directed Elective or Elective for all diplomas.
Laboratory Course

Musical Theatre is based on the Indiana Academic Standards for Theatre. Students in this course study the history of musical theatre and its place in today's society. They participate in staging, choreographing, rehearsing, and performing an original or existing musical work. This class may be taught collaboratively among music, theatre, dance, and visual arts faculty. These activities should 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.

Music Theory and Composition (L) (4208)**Music Theory & Composition I****Music Theory & Composition I-1****Music Theory & Composition I-2****MUHTC00300****MUHTC00100****MUHTC00200****Recommended Grade:**

Any

Required Prerequisites:

None

Recommended Prerequisites:

None

Credits:

1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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

Painting (L) (4064)**Painting I****Painting I-1****Painting I-2****Painting II-1****Painting II-2****Painting III-1****Painting III-2**

VAHP100300

VAHP100100

VAHP100200

VAHP200100

VAHP200200

VAHP300100

VAHP300200

Recommended Grade:

10, 11, 12

Required Prerequisites:

None

Recommended Prerequisites:

Introduction to Two-Dimensional Art

Credits:

1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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

Photography (L) (4062)**Photography I****Photography I-1****Photography I-2****Photography II-1****Photography II-2****Photography III-1****Photography III-2**

VAHH100300

VAHH100100

VAHH100200

VAHH200100

VAHH200200

VAHH300100

VAHH300200

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Introduction to Two-Dimensional Art
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

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

Piano and Electronic Keyboard (L) (4204)**Piano & Electronic Keyboard****MUHPK00300**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Piano and Electronic Keyboard is based on the Indiana Academic Standards for High School Music Technology and Instrumental Music. Students taking this course are offered keyboard classes in order to develop music proficiency and musicianship. Students perform with proper posture, hand position, fingering, rhythm, and articulation; compose and improvise melodic and harmonic material; create and perform simple accompaniments; listen to, analyze, sight-read, and study a variety of keyboard literature; study the elements of music as exemplified in a variety of styles and make interpretive decisions.

Principles of Digital Design (7140) - Available at North Side & Wayne**Principles of Digital Design****Principles of Digital Design****VAHPV00100****VAHPV00200**

Recommended Grade:	9, 10, 11
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

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

Sculpture (L) (4044)**Sculpture I****Sculpture II-1****Sculpture II-2**

VAHS100300

VAHS200100

VAHS200200

Recommended Grade:

Any

Required Prerequisites:

None

Recommended Prerequisites:Introduction to Two-Dimensional Art,
Introduction to Three-Dimensional Art**Credits:**

1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Sculpture is a course based on the Indiana Academic Standards for Visual Art. Students in sculpture engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production. Using materials such as plaster, clay, metal, paper, wax, and plastic, students create portfolio quality works. Students at this level produce works for their portfolios that demonstrate a sincere desire to explore a variety of ideas and problems. They create realistic and abstract sculptures utilizing subtractive and additive processes of carving, modeling, construction, and assembling. 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.

Technical Theatre (L) (4244)**Technical Theatre I****Technical Theatre I-1****Technical Theatre I-2****THHE100300****THHE100100****THHE100200**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized
Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma
Counts as a Directed Elective or Elective for all diplomas.
Laboratory Course

Technical Theatre is based on the Indiana Academic Standards for Theatre. Students enrolled in Technical Theatre actively engage in the process of designing, building, managing, and implementing the technical aspects of a production. These activities should 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.

Theatre Arts (L) (4242)**Theatre Arts 1****Theatre Arts 2****THHT100300****THHT100301**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized
Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma
Counts as a Directed Elective or Elective for all diplomas.
Laboratory Course

Theatre Arts is based on the Indiana Academic Standards for Theatre. 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.

Theatre Production (L) (4248)**Theatre Production 1****Theatre Production 2****THHP100100****THHP100200**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Theatre Production is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Production take on responsibilities associated with rehearsing and presenting a fully mounted theatre production. They read and analyze plays to prepare for production; conceive and realize a design for a production, including set, lighting, sound and costumes; rehearse and perform roles in a production; and direct or serve as assistant director for a production. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students investigate a theatre arts career then develop a plan for potential employment or further education through audition, interview, or presentation of a portfolio. Students also attend and critique theatrical productions and volunteer to support theatre in their community.

Vocal Jazz (L) (4184)**Vocal Jazz 1****Vocal Jazz 2****MUHVJ00100****MUHVJ00200**

Recommended Grade:	Any
Required Prerequisites:	One year or two semesters of Beginning Chorus
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized

Fulfills a Fine Arts requirement for Core 40 Academic Honors diploma

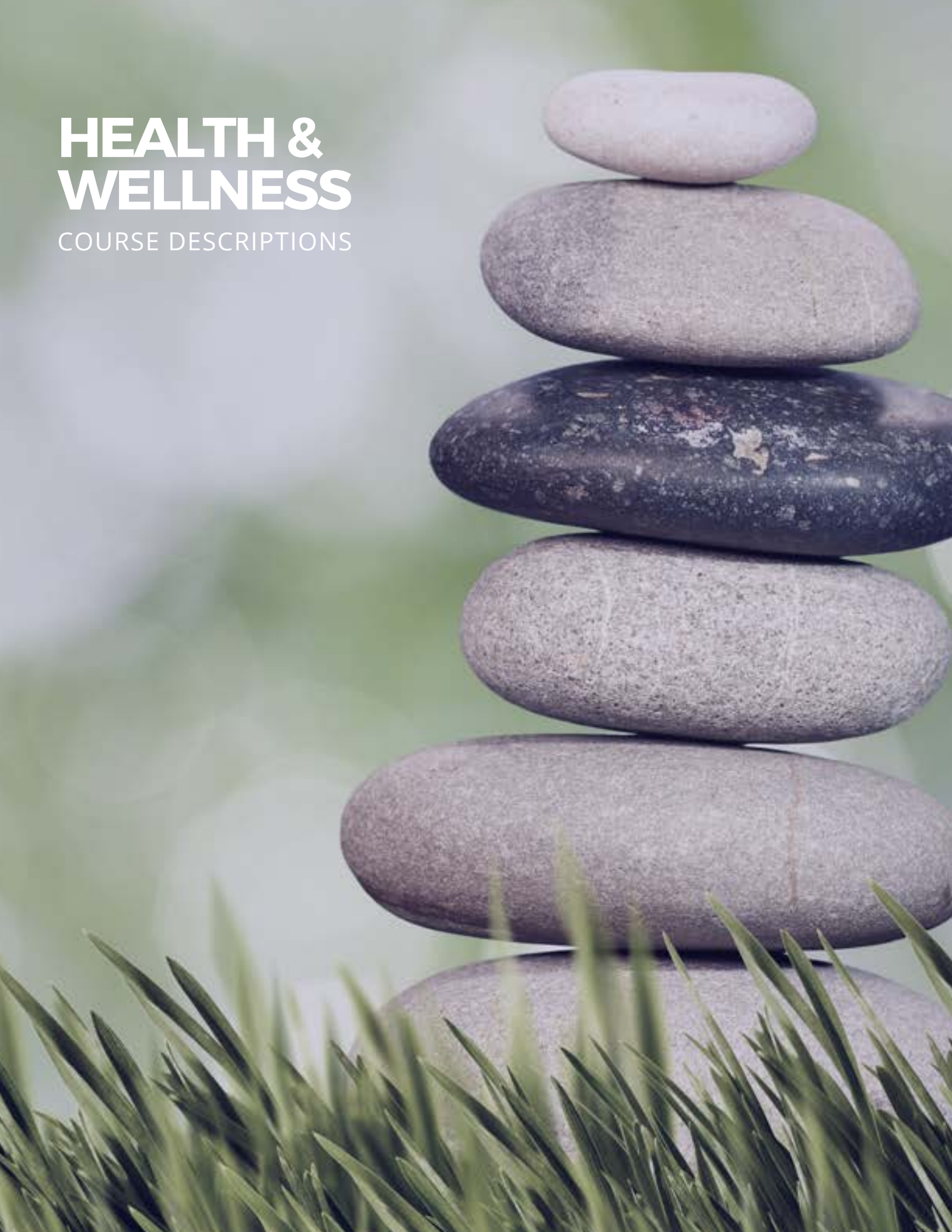
Counts as a Directed Elective or Elective for all diplomas.

Laboratory Course

Vocal Jazz is based on the Indiana Academic Standards for High School Choral Music. Students in this course develop musicianship and specific performance skills through group and individual settings for the study and performance of varied styles of vocal jazz. Instruction includes the study of the history and formative and stylistic elements of jazz. Students develop their creative skills through improvisation, composition, arranging, performing, listening, and analyzing. 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.

HEALTH & WELLNESS

COURSE DESCRIPTIONS



Health and Wellness Education (3506)**Health & Wellness****Health & Wellness: Education****Health & Wellness: Credit Recovery****Health & Wellness: SE****HENH100300****HEHH100300****HEHH107300****HEHH140300****Recommended Grade:**

Any

Required Prerequisites:

None

Recommended Prerequisites:

8th grade health education

Credits:

1 semester course, 1 credit per semester, 1 credit maximum

Fulfills Health and wellness requirement for all diploma type

Health & Wellness, a course based on Indiana's Academic Standards for 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 alcohol- and other drug-free lifestyles 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.

LANGUAGE ARTS

COURSE DESCRIPTIONS



Creative Writing (1092)**Creative Writing****Creative Writing**

LAHC100300

LANC100301

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	English 9, English 10 or teacher recommendation
Credits:	1 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas

Creative Writing, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies for prose and poetry. Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

Developmental Reading (1120)**Dev Reading I: (Lexile 500-800) 1****Dev Reading I: (Lexile 500-800) 2****Dev Reading I: (SE Lexile 500-800) 1****Dev Reading I: (SE Lexile 500-800) 2****Dev Reading II: (Lexile 801-1100) 1****Dev Reading II: (Lexile 801-1100) 2**

LAHR100100

LAHR100200

LAHR140100

LAHR140200

LAHR200100

LAHR200200

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester, 8 credits maximum

This course allows for successive semesters of instruction for students who need additional support in vocabulary development and reading comprehension.

Counts as an elective for all diplomas

Developmental Reading is a supplemental course that provides students with individualized instruction designed to support success in completing coursework aligned with the Indiana Academic Standards for English/Language Arts focusing on the Reading Standards for Literature and Nonfiction. All students should be concurrently enrolled in an English course in which class work will address all of the Indiana Academic Standards.

English 9 (1002)**English 9: Academic 1****English 9: Academic 2****English 9:1 Credit Recovery****English 9:2 Credit Recovery****English 9-1****English 9-2****English 9: Honors 1****English 9: Honors 2****English 9-1****English 9-2****English 9: Honors 1****English 9: Honors 2**

LAHE100100

LAHE100200

LAHE107100

LAHE107200

LAHE140100

LAHE140200

LAHE160100

LAHE160200

LANE100100

LANE100200

LANE160100

LANE160200

Recommended Grade:

9

Required Prerequisites:

None

Recommended Prerequisites:

None

Credits:

2 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas

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

English 10 (1004)**English 10: Academic 1****English 10: Academic 2****English 10: Credit Recovery 1****English 10: Credit Recovery 2****English 10: SE 1****English 10: SE 2****English 10: Honors 1****English 10: Honors 2****English 10-1****English 10-2**

LAHE200100

LAHE200200

LAHE207100

LAHE207200

LAHE240100

LAHE240200

LAHE260100

LAHE260200

LANE200100

LANE200200

Recommended Grade:

10, 11

Required Prerequisites:

None

Recommended Prerequisites:

English 9 or teacher recommendation

Credits:

2 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas

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

English 11 (1006)**English 11: Academic 1****English 11: Academic 2****English 11: Credit Recovery 1****English 11: Credit Recovery 2****English 11: SE 1****English 11: SE 2****English 11: Honors 1****English 11: Honors 2****English 11-1****English 11-2**

Recommended Grade:	11
Required Prerequisites:	None
Recommended Prerequisites:	English 9 or 10 or teacher recommendation
Credits:	2 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas

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

LAHE300100
 LAHE300200
 LAHE307100
 LAHE307200
 LAHE340100
 LAHE340200
 LAHE360100
 LAHE360200
 LANE300100
 LANE300200

English 12 (1008)**English 12 Academic 1****English 12 Academic 2****English 12 Credit Recovery 1****English 12 Credit Recovery 2****English 12 SE 1****English 12 SE 2****English 12 Honors 1****English 12 Honors 2****English 12-1****English 12-2**

Recommended Grade:	12
Required Prerequisites:	None
Recommended Prerequisites:	English 9, English 10 and English 11 or teacher recommendation
Credits:	2 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas

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

LAHE400100
 LAHE400200
 LAHE407100
 LAHE407200
 LAHE440100
 LAHE440200
 LAHE460100
 LAHE460200
 LANE400100
 LANE400200

Ethnic Literature (1032) - Available at Northrop & Wayne**Ethnic Literature****Ethnic Literature: Hispanic****Ethnic Literature**

LAHL100302

LAHL100305

LANL100302

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	English 9 or 10 or teacher recommendation
Credits:	1 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas

Ethnic Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of literature focusing on specific multicultural issues produced by writers representing various ethnic cultures. Students examine works exploring ethnic experiences and ideas as well as the contributions of authors to multicultural themes. Students analyze the expressions of cultural identities within ethnic literature and how problems or issues of interest to a given group relate or interconnect with national issues and history. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within curriculum.

English Literature (1030) - Available at Wayne**ENG LIT**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	English 9 or 10 or teacher recommendation
Credits:	1 or 2 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas

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

LANGUAGE ARTS**Film Literature (1034) - Available at Wayne Only****Film Literature****Film Literature****LAHFL03300****LANFL00300**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	English 9, English 10 or teacher recommendation
Credits:	1 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas

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

Genres of Literature (1036) - Available at Virtual Academy Only**Genres of Literature****LAHL100307**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	English 9 or 10 or teacher recommendation
Credits:	1 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas

Genres of Literature, a course based on the Indiana Academic Standards for English/Language Arts is a study of various literary genres, such as poetry, dramas, novels, short stories, biographies, journals, diaries, essays, and others. Students examine a set or sets of literary works written in different genres that address similar topics or themes. Students analyze how each genre shapes literary understanding or experiences differently, how different genres enable or constrain the expression of ideas, how certain genres have had stronger impact on the culture than others in different historical time periods, and what the most influential genres are in contemporary times. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within curriculum.

Journalism (1080) - Available at South Side & Wayne

Journalism I
 Journalism I-1
 Journalism I-2
 Journalism 1
 Journalism 2

LAHJ100300
 LAHJ100100
 LAHJ100200
 LANJ100100
 LANJ100200

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 or 2 semester course, 1 credit per semester. Second credit may be subtitled Advanced to allow for a successive semester of instruction at an advanced level

English/Language Arts credit (1080): Journalism course work addresses the Indiana Academic Standards for English/Language Arts, the credits accrued can be counted as part of the eight (8) required

English/Language Arts credits for all diplomas.

Counts as an elective for all diplomas

NOTE: This is not a student publications course. The designated school newspaper or yearbook course is Student Media (1086).

Journalism, a course based on the Indiana Academic Standards for English/Language Arts and the Indiana High School Journalism Standards, is a study of news elements, journalism history, First Amendment law, ethics, fact and opinion, copy editing, news, and features as they apply to print and digital media products. It includes a comparison study of journalistic writing to other types of English writing with practical application of news, features, editorials, reviews, columns, and digital media writing forms. For the second credit: Students continue to develop journalistic writing skills in addition to studying graphic design, advertising, public relations, photojournalism and emerging media development and design. By the end of the semester, students write, shoot, and design stories for print and digital media products.

Language Art Lab (1010)

Lang. Arts Lab 1
 Lang. Arts Lab 2
 Lang. Arts Lab: SE Lexile (200-700) 1
 Lang. Arts Lab: SE Lexile (200-700) 2
 Lang. Arts 10: Tier 1 Core Sup Language Lab
 Lang. Arts 10: Tier 1 Core Sup Language Lab
 Lang. Arts 10: Tier 1 Core Sup Language Lab

LAHEL00100
 LAHEL00200
 LAHL140100
 LAHL140200
 LAHL210100
 LAHL210200
 LAHL210300

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 or 4 semester course, 1 credit per semester. This course allows for successive semesters of instruction for students who need additional support in any or all aspects of the writing standards.

Counts as an Elective for all diplomas.

Language Arts Lab is a supplemental course that provides students with individualized or small group instruction designed to support success in completing course work aligned with the Indiana Academic Standards for English/Language Arts focusing on the writing standards. All students should be concurrently enrolled in an English course in which class work will address all of the Indiana Academic Standards.

Library Media (1082)Library Media

LAHM100300

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

Counts as an elective for all diplomas

Library Media is the study and application of procedures based on library science theory. Students examine the role of the library and technology in the current Information Age. Students use electronic resources for specific research needs and use multimedia presentation technology for practical applications.

Digital Media (1084) - Available at Wayne Only

Digital Media

Digital Media 1

Digital Media 2

LAHM100301

LAHM100101

LAHM100201

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	·1 or 2 semester course, 1 credit per semester.

Second credit may be subtitled Advanced to allow for a successive semester of instruction at an advanced level. English/Language Arts credit (1084): Digital Media course work addresses the Indiana Academic Standards for English/Language Arts, credits accrued can be counted as part of the eight (8) required English/Language Arts credits for all diplomas.

Digital Media course work addresses the Indiana Academic Standards for English/Language Arts, credits accrued can be counted as part of the eight (8) required English/Language Arts credits for all diplomas. Counts as an Elective for all diplomas.

Digital Media, a course based on the Indiana Academic Standards for English/Language Arts and Media Literacy Standards, is a study of media literacy and production skills. This course examines the impact of informational, narrative, and persuasive media on everyday life. This course will focus on changes in media and includes practice in broadcast journalism, audio/visual storytelling, multimedia storytelling, as well as different platforms such as online and social media. Students will analyze local, national, and global media through the lens of law, ethics, and social responsibility. Students use course content to become knowledgeable consumers and producers of media. For the second credit: Students continue to develop media production skills in addition to continuing critical media analysis. By the end of the semester, students write and produce media projects.

Novels (1042) - - Available at Wayne Only**Novels****Novels**

LAHN100300

LANN100300

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	English 9, English 10 or teacher recommendation
Credits:	1 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas.

Novels, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the distinct features of the novel, such as narrative and fictional elements of setting, conflict, climax, and resolution, and may be organized by historical periods, themes, or authors. Students examine novels of a given period, such as Victorian, the Modern Period, or Contemporary Literature, and what distinguishes novels from short stories, epics, romances, biographies, science fiction, and others. Students analyze novels by various important authors from the past and present or sets of novels from a specific era or across several eras. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within the curriculum.

Short Stories (1046) - Available at Wayne Only**Short Stories****Short Stories**

LAHSS00300

LANSS00300

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	English 9, English 10 or teacher recommendation
Credits:	1 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas.

Short Stories, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the distinct features of the short story, such as being tightly focused narrative fiction. The course may be organized by historical periods, themes, or authors. Students examine short stories with modernist and contemporary themes by a variety of authors from the perspective of audience, purpose, and historical development. Students analyze what distinguishes the short story genre from other literary genres, such as the novels, epics, romances, biographies, etc. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within the curriculum.

Speech (1076)**Speech****LAHS100300**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas.

Speech, a course based on the Indiana Academic Standards for English/Language Arts, 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 multimedia 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.

Student Publications (Student Media) (1086)**Student Publications: Newspaper I-1****Student Publications: Newspaper I-2****Student Publications: Newspaper II-1****Student Publications: Newspaper II-2****Student Publications: Newspaper III-1****Student Publications: Newspaper III-2****Student Publications: Newspaper IV-1****Student Publications: Newspaper IV-2****Student Publications: Yearbook I-1****Student Publications: Yearbook I-2****Student Publications: Yearbook II-1****Student Publications: Yearbook II-2****Student Publications: Yearbook III-1****Student Publications: Yearbook III-2****LAHP100100****LAHP100200****LAHP200100****LAHP200200****LAHP300100****LAHP300200****LAHP400100****LAHP400200****LAHY100100****LAHY100200****LAHY200100****LAHY200200****LAHY300100****LAHY300200**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

Fulfills an English/Language Arts requirement for all diplomas.

Counts as a directed elective or elective for all diplomas

Note: This is a designated School Media course, including newspaper and yearbook.

The nature of this course allows for successive semesters of instruction at an advanced level or in different media types where defined proficiencies and content standards are utilized.

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



MATHEMATICS

COURSE DESCRIPTIONS

Algebra I (2520)
 Algebra I Academic 1
 Algebra I Academic 2
 Algebra I Credit Recovery 1
 Algebra I Credit Recovery 2
 Algebra I SE 1
 Algebra I SE 2
 Algebra I Honors 1
 Algebra I Honors 2
 Algebra I-1
 Algebra I-2

MAHA100100
 MAHA100200
 MAHA107100
 MAHA107200
 MAHA140100
 MAHA140200
 MAHA160100
 MAHA160200
 MANA100100
 MANA100200

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Fulfills a Mathematics course requirement for all diplomas.

Fulfills the Algebra I/Integrated Mathematics I requirement for all diplomas.

Students pursuing Core 40, Core 40 with Academics Honors, or Core 40 with Technical Honors diploma should receive credit for Algebra I by the end of Grade 9

Algebra I formalizes and extends the mathematics that students learned in the middle grades. Algebra 1 is made up of 6 strands: Real Numbers and Expressions; Functions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics. These critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Algebra I Lab (2516)**Math Lab: 1 Algebra I****Math Lab: 2 Algebra I****MAHML00104****MAHML00204**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Fulfills a Mathematics course requirement for the General Diploma only or as an elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors.

Algebra I Lab is designed as a support course for Algebra I. As such, a student taking Algebra I Lab must also be enrolled in Algebra I during the same academic year.

Algebra I Lab is a mathematics support course for Algebra I. Algebra I Lab is taken while students are concurrently enrolled in Algebra I. This course provides students with additional time to build the foundations necessary for high school math courses, while concurrently having access to rigorous, grade-level appropriate courses. The five critical areas of Algebra I Lab align with the critical areas of Algebra I: Relationships between Quantities and Reasoning with Equations; Linear and Exponential Relationships; Descriptive Statistics; Expressions and Equations; and Quadratic Functions and Modeling. However, whereas Algebra I contains exclusively grade-level content, Algebra I Lab combines standards from high school courses with foundational standards from the middle grades.

Algebra II (2522)**Algebra II Academic 1/MAHA200200 Algebra II Academic 2****Algebra II Credit Recovery 1/MAHA207200 Algebra II Credit Recovery 2****Algebra II SE 1/MAHA240200 Algebra II SE 2****Algebra II Honors 1/MAHA260200 Algebra II Honors 2****Algebra II-1/MAHA200200 Algebra II-2****MAHA200100****MAHA207100****MAHA240100****MAHA260100****MAHA200100**

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	Algebra I
Credits:	2 semester course, 1 credit per semester

Fulfills a Mathematics course requirement for all diplomas.

Fulfills the Algebra II/Integrated Mathematics III requirement for all diplomas.

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

Finite Mathematics (2530) - Available at Northrop & Snider**Finite Mathematics****Finite Mathematics 1****Finite Mathematics 2****MANFM00300****MAHFM00100****MAHFM00200****Recommended Grade:**

Any

Required Prerequisites:

None

Recommended Prerequisites:

Algebra II

Credits:

1 or 2 semester course, 1 credit per semester

Fulfills a Mathematics course for all diplomas.

Finite Mathematics is a collection of mathematical topics, frequently used in business or public policy contexts. It is a course designed for students who will undertake higher-level mathematics in college that may not include calculus. Finite Math is made up of five strands: Sets; Matrices; Networks; Optimization; and Probability. The skills listed in these strands indicate what students should know and be able to do in Finite Math. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Geometry (2532)**Geometry: Academic 1/MAHG100200 Geometry: Academic 2****Geometry: Credit Recovery 1/MAHG107200 Geometry: Credit Recovery 2****Geometry 1/MAHG140200 Geometry 2****Geometry: Honors 1/MAHG160200 Geometry: Honors 2****Geometry 1/MANG100200 Geometry 2****MAHG100100****MAHG107100****MAHG140100****MAHG160100****MANG100100****Recommended Grade:**

Any

Required Prerequisites:

None

Recommended Prerequisites:

Algebra I

Credits:

2 semester course, 1 credit per semester

*Fulfills a Mathematics course requirement for all diplomas.**Fulfills the Geometry/Integrated Mathematics II requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.*

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. Geometry is made up of seven strands: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Mathematics Lab (2560)

Math Lab 1

Math Lab 2

MANML00100

MANML00200

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester, 8 credits maximum

Fulfills an elective requirement for all diplomas.

Clarifying information can be appended to the end of the course title to denote the content covered in each course. Example: Mathematics Lab used to support students in Algebra II can be recorded on the transcript as Mathematics Lab – Algebra II.

Mathematics Lab provides students with individualized instruction designed to support success in completing mathematics coursework aligned with Indiana's Academic Standards for Mathematics. Mathematics Lab is to be taken in conjunction with a Core 40 mathematics course, and the content of Mathematics Lab should be tightly aligned to the content of its corresponding course. Mathematics Lab should not be offered in conjunction with Algebra I or Integrated Mathematics I; instead, schools should offer Algebra I Lab or Integrated Mathematics I Lab to provide students with rigorous support for these courses.

Pre-Calculus: Algebra (2564)

Pre-Calculus: Algebra

Pre-Calculus: Algebra Credit Recovery

Adv Math: Pre-Calculus SBP

Pre-Calculus: Algebra

MAHPC00300

MAHPC07300

MAHPC91300

MANPC00300

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	Algebra II and Geometry or Integrated Mathematics III
Credits:	1 semester course, 1 credit per semester

Fulfills a Mathematics course requirement for all diplomas.

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

Probability and Statistics (2546) - Available at North Side, Virtual Academy & Wayne
Probability & Statistics
Probability & Statistics

MAHPS00300
MANPS00300

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	Algebra II or Integrated Mathematics III or Analytical Algebra II
Credits:	1 semester course, 1 credit per semester

Fulfills a Mathematics course requirement for all diplomas.

Probability and Statistics includes the concepts and skills needed to apply statistical techniques in the decision-making process. Probability and Statistics are made up of three strands: Data Analysis; Experimental Design; and Probability. Practical examples based on real experimental data are used throughout. Students plan and conduct experiments or surveys and analyze the resulting data. The use of graphing technology and computer programs is encouraged. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Quantitative Reasoning (2550)
Quantitative Reasoning 1
Quantitative Reasoning 2
Quantitative Reasoning 1
Quantitative Reasoning 2

MAHQR00100
MAHQR00200
MANQR00100
MANQR00200

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	Algebra II or Integrated Mathematics III or Analytical Algebra II
Credits:	1 or 2 semester course, 1 credit per semester

Due to the level of rigor, it is recommended that this course be offered as a 2 semester 2 credit course.
Fulfills a Mathematics course requirement for all diplomas.

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

Pre-Calculus: Trigonometry (2566)
Pre-Calculus: Trigonometry
Pre-Calculus: Trigonometry: Credit Recovery
Pre-Calculus: Trigonometry

MAHTR00300
MAHTR07300
MANTR00300

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	Algebra II and Geometry or Integrated Mathematics III
Credits:	1 semester course, 1 credit per semester

Fulfills a Mathematics course requirement for all diplomas.

Pre-Calculus: Trigonometry provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Pre-Calculus: Trigonometry provides the foundation for common periodic functions that are encountered in many disciplines, including music, engineering, medicine, and finance, and nearly all other STEM disciplines. Pre-Calculus: Trigonometry consists of six strands: Unit Circle; Triangles; 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. A strong understanding of complex and imaginary numbers is a necessity for fields such as engineering and computer programming. 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 makes use of their ability to make sense of problem situations. Students should take Pre-Calculus: Algebra for one semester and then Pre-Calculus: Trigonometry for the other semester to make a full year of mathematics.

CCR Bridge: Math Ready (2514) – Available at Northrop & Wayne
CCR Bridge: Math Ready 1
CCR Bridge: Math Ready 2

MAHCCR100
MAHCCR200

Recommended Grade:	12
Required Prerequisites:	None
Recommended Prerequisites:	Algebra 2
Credits:	2 semester course, 1 credit per semester

The CCR Bridge: Math Ready course will include and reinforce the Algebra I, Geometry, Algebra II, and Statistics skills necessary to be ready for an entry-level college math course. This course emphasizes understanding of math concepts rather than just memorizing procedures. Math Ready students learn the context behind the procedure (e.g., why to use a certain formula or method to solve a problem). This equips them with higher-order thinking skills in order to apply math skills, functions, and concepts in different situations. The course is intended for students who currently have achieved the minimum math requirements for college entry. The content of this course is designed to enhance students' math skills so that they are ready for college-level math assignments. It is not designed to prepare students for college-level math in STEM majors. This fulfills a Mathematics course requirement for all diplomas.

MULTIDISCIPLINARY

COURSE DESCRIPTIONS



Basic Skills Development (0500)

BSD Algebra I-1
 BSD Algebra I-2
 BSD Algebra II-1
 BSD Algebra II-2
 BSD Resource 1
 BSD Resource 2
 BSD 1
 BSD 2
 BSD English 9-1
 BSD English 9-2
 BSD Eng. 10 comb With W History 1
 BSD Eng. 10 comb With W History 2
 BSD Eng. 11 Taken With US History 1
 BSD Eng. 11 Taken With US History 2
 BSD English 12-1
 BSD English 12-2
 BSD Geometry 1
 BSD Geometry 2
 BSD Problem Solv Math Lab I-1
 BSD Problem Solv Math Lab I-2
 BSD Pro Social Skills 1
 BSD Pro Social Skills 2
 BSD Pro Social Skills SE 1
 BSD Pro Social Skills SE 2
 BSD Pro Social Skills
 BSD I
 BSD I-1
 BSD I-2

MDHA130100
 MDHA130200
 MDHA230100
 MDHA230200
 MDHBS30100
 MDHBS30200
 MDHBS30101
 MDHBS30201
 MDHE130100
 MDHE130200
 MDHE230100
 MDHE230200
 MDHE330100
 MDHE330200
 MDHE430100
 MDHE430200
 MDHG130100
 MDHG130200
 MDHML30100
 MDHML30200
 MDHPS30100
 MDHPS30200
 MDHPS30101
 MDHPS30201
 MDHPS30300
 MDNBS30300
 MDNBS30100
 MDNBS30200

Recommended Grade:	Any
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 credit per semester up to 8 semesters, 8 credits maximum

Counts as an elective for all diplomas

Basic Skills Development is a multidisciplinary course that provides students continuing opportunities to develop basic skills including (1) reading, (2) writing, (3) listening, (4) speaking, (5) mathematical computation, (6) note-taking, (7) study and organizational skills, and (8) problem-solving skills, which are essential for high school course work achievement. Determination of the skills to be emphasized in this course is based on Indiana's standards, individual school corporation general curriculum plans, and the student's Individualized Education Programs (IEP) or other individualized plans. Skills selected for developmental work provide students with the ability to continue to learn in a range of different life situations.

Cadet Teaching Experience (0502)
Cadet Teach Experience: Pre teach Exp I-1
Cadet Teach Experience: Pre teach Exp I-2

MDHC100100
MDHC100200

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 credit per semester up to 4 semesters, 4 credits maximum

Counts as a directed elective of elective for all diplomas
Cadet teaching experience for high school students is limited to grades kindergarten through grade nine.

This elective course provides students in grades eleven (11) or twelve (12) with organized exploratory teaching experiences in grades kindergarten (K) through grade nine (9). All teaching experiences should be preplanned by the high school Cadet Teaching Experience teacher-trainer and the cooperating teacher(s) who are supervising prospective teachers and providing them with pre-training experiences in one or more classes. This course 240 Indiana Department of Education High School Course Titles and Descriptions provides a balance of class work relating to (1) classroom organization, (2) classroom management, (3) the curriculum and instructional process, (4) observations of teaching, and (5) instructional experiences. Study topics and background reading provide the cadets with information concerning the teaching profession and the nature of the cadet teachers' assignments. Evaluation is based upon the cadet teachers' cooperation, day-to-day practical performance, and classwork including the cadets' potential ability to teach. The total workload of the Cadet Teaching course is comparable to those for other subjects in the high school curriculum.

Career Information and Exploration (0522)
CIE: Program of study
CIE: Program of study
Education Professions I-1
Education Professions II-2
Career Info & Exploration

MDHCI00300
MDHCI00301
MDHEP00100
MDHEP00200
MDNCI00300

Recommended Grade:	9, 10
Required Prerequisites:	None
Recommended Prerequisites:	Preparing for College and Careers
Credits:	1 semester course, 1 credit per semester

Counts as a Directed Elective or Elective for all diplomas.
The nature of this course allows for successive semesters of instruction provided progressively advanced proficiencies and content standards are utilized.

Career Information and Exploration provides students with opportunities to learn about themselves and about various traditional and nontraditional occupations and careers. Students also gain an awareness of the type of occupational preparation or training needed for various occupations and careers. Students develop skills in (1) employability, (2) understanding the economic process, and (3) career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as field trips, internships, mock interviews, and guest speakers. Resume development experience and career-related testing are also provided to students.

College-Entrance Preparation (0532)
College Entrance Prep SAT
College Entrance Prep SAT 1
College Entrance Prep SAT 2

MDHSA30300
MDHSA30100
MDHSA30200

Recommended Grade: Semester 2 grade 10; Semester 1 grade 11
Required Prerequisites: English 9 and English 10 (or their equivalent), Algebra 1 and Geometry
Recommended Prerequisites: Algebra II or Analytical Algebra II
 (or concurrent enrollment in Algebra II)
Credits: 1 semester course, 1 credit per semester, 4 credits maximum

*Counts as a Directed Elective or Elective for all diplomas.
 The nature of this course allows for successive semesters of instruction provided progressively advanced proficiencies and content standards are utilized.*

College-Entrance Preparation utilizes individual student score reports from the PSAT, PLAN, ACCUPLACER, or other formative assessments to prepare students for college readiness assessments. Based on individual student score reports, students should receive targeted instruction to strengthen their foundations in critical reading, writing, and mathematics. This course may also include college selection and application units, to better prepare students for overall college readiness. Being “college-ready” means being prepared for any post-secondary education or training experience, including readiness for study at two-year and four-year institutions leading to a post-secondary credential (i.e., a certificate, license, Associate’s or Bachelor’s degree). A college-ready student has the necessary English and mathematics skills to qualify for and succeed in entry-level, credit-bearing college courses without the need for remedial coursework.

Community Service (0524)

Community Service 1

Community Service 2

Community Service 1

Community Service 2

MDHCS00100

MDHCS00200

MDNCS00100

MDNCS00200

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 to 2 semester course, 1 credit per semester, up to 2 semesters, 2 credits maximum

Counts as a directed elective or elective for all diplomas.

Students must submit an application for this course by November 1.

Go to www.iga.in.gov and search for Code IC 20-30-14 for more information.

Community Service is a course created by public law IC 20-30-14. Community service allows students in grades nine through twelve (HEA 1629) the opportunity to earn up to two high school credits for completion of approved community service projects or volunteer service that "relates to a course in which the student is enrolled or intends to enroll." For each student who wishes to earn credit for community service or volunteer service under this law, the student, a teacher of the student, or a community or volunteer service organization must submit an application to the high school principal including: 1) name of the community service organization or volunteer service organization the student intends to assist; 2) name, address, and telephone number of the director or supervisor of the community service organization or volunteer service organization and, if different from the director or supervisor, the name, address, and telephone number of the individual assigned by the community or volunteer service organization to supervise the student at the activity site; 3) nature of the community service or volunteer service performed by the student with certification that the service performed by the student is voluntary; 4) total number of hours the student intends to serve the community service organization or volunteer service organization during the school year; 5) written statement by the director or the supervisor of the community service organization or volunteer service organization certifying that the information included in the application is an accurate reflection of: (a) the student's expectations with regard to the number of hours of service contemplated to be performed; and (b) the community service organization's or the volunteer service organization's need to acquire the student's service; 6) description of: (a) the educational or career exploration benefits the student and the school should expect to gain, including the student learning standards to be achieved, from the student's community or volunteer service participation; and (b) the service and benefit the community service organization or volunteer service organization expects to gain from the student's participation; 7) the description of how the community or volunteer service activity relates to a course in which the student is enrolled or intends to enroll; 8) manner and frequency in which the student and the community or volunteer service activity will be evaluated; 9) the name of the certificated school employee who will be responsible for monitoring and evaluating the student's activity and performance and assigning the student a grade for participation under this section; and 10) any other information required by the principal.

Jobs for America's Graduates (0509)

PCI I: 1 Jobs for America's Graduates
PCI I: 2 Jobs for America's Graduates
PCI II: 1 Jobs for America's Graduates
PCI II: 2 Jobs for America's Graduates

MDHJ300100
 MDHJ300200
 MDHJ400100
 MDHJ400200

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester, 4 credits maximum

Counts as an elective for all diplomas.

Jobs for America's Graduates (JAG) is a state-based, national nonprofit dedicated to preventing dropouts among young people who are most at-risk. JAG's mission is to keep young people in school through graduation and provide work-based learning experiences that will lead to career advancement opportunities or to enroll in a postsecondary institution that leads to a rewarding career. JAG students receive adult mentoring while in school and one year of follow-up counseling after graduation. The JAG program is funded through grants provided by the Indiana Department of Workforce Development.

Junior Reserve Officer Training Corps (0516) - Wayne Only

JROTC I-1
JROTC I-2
JROTC II-1
JROTC II-2
JROTC III-1
JROTC III-2
JROTC IV-1
JROTC IV-2

MDHJR00100
 MDHJR00200
 MDHJR00101
 MDHJR00201
 MDHJR00102
 MDHJR00202
 MDHJR00103
 MDHJR00203

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester, up to 8 semesters, 8 credits maximum

Counts as an elective for all diplomas.

This course is designed to develop: (1) citizenship and patriotism, (2) self-discipline, (3) physical fitness, (4) reliance and leadership, and (5) the skills used in decision-making, communications, and problem solving. The course content and experiences enable the students to understand the role of the military in support of national objectives and to become familiar with basic military knowledge, gender equity issues, benefits, and requirements. Topics to be included in the course are: (1) military history, (2) ROTC in the military, (3) substance abuse, (4) map reading, (5) marksmanship and firearm safety, (6) military drill, (7) field activities, (8) reserve components, and (9) first aid and hygiene. Opportunities are provided to explore the qualities and traits of courage, self-sacrifice, and integrity. Junior Reserve Officer Training Corps programs must be approved by and meet the requirements of the appropriate military organization.

Peer Tutoring (0520)
Peer Tutoring
Peer Tutoring 1
Peer Tutoring 2

MDHPT00300
MDHPT00100
MDHPT00200

Recommended Grade:	10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 or 2 semester course, 1 credit per semester, 2 credits maximum

Counts as an elective for all diplomas.

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



PHYSICAL EDUCATION

COURSE DESCRIPTIONS



PHYSICAL EDUCATION**Elective Physical Education (L) (3560)****Individual & Team Sports 1****Lifetime Sports 1****Lifetime Sports 2****Intro Step Aerobics 1****Intro Step Aerobics 2****Strength Training 1****Strength Training 2****Strength Training 3****Strength Training 4****Strength Training 5****Strength Training 6****PEHI100300****PEHL100300****PEHL200300****PEHS100300****PEHS200300****PEHT100300****PEHT200300****PEHT300300****PEHT400300****PEHT500300****PEHT600300****Recommended Grade:**

10, 11, 12

Required Prerequisites:

None

Recommended Prerequisites:

Physical Education I and II

Credits:

1 credit per semester, 8 credits maximum

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

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

Physical Education I (L) (3542)**Physical Education I****PEHP100300**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	Grade 8 Physical Education
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester, 1 credit maximum

Fulfills part of the Physical Education requirement for all diplomas.

Classes are coeducational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender.

Adapted physical education must be offered, as needed, in the least-restrictive environment and must be based upon an individual assessment.

As a designated laboratory course, 25% of course time must be spent in activity.

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

Physical Education II (L) (3544)**Physical Education II****PEHP200300**

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	Physical Education I
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester, 1 credit maximum

Fulfills part of the PE requirement for all diplomas.

Classes are coeducational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender.

Adapted physical education must be offered, as needed, in the least restrictive environment and must be based upon an individual assessment.

As a designated laboratory course, 25% of course time must be spent in activity.

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

SCIENCE

COURSE DESCRIPTIONS



Advanced Science, Special Topics (L) (3092)
Advanced Science, Special Topics 1
A Advanced Science, Special Topics 2
Advanced Science, Special Topics: Zoology
Advanced Science, Special Topics: Forensics
Advanced Science, Special Topics: Microbiology 1
Advanced Science, Special Topics: Microbiology 2

SCNS100100
 SCNS100200
 SCHZ300300
 SCHF300300
 SCHM300100
 SCHM300200

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester, may be offered for successive semesters

Fulfills a science requirement for all diplomas.

Advanced Science, Special Topics is any science course which is grounded in extended laboratory, field, and literature investigations into one or more specialized science disciplines, such as anatomy/physiology, astronomy, biochemistry, botany, ecology, electromagnetism, genetics, geology, nuclear physics, organic chemistry, etc. Students enrolled in this course engage in an in-depth study of the application of science concepts, principles, and unifying themes that are unique to that particular science discipline and that address specific technological, environmental or health-related issues. Under the direction of a science advisor, students enrolled in this course will complete an end-of-course project and presentation, such as a scientific research paper or science fair project, integrating knowledge, skills, and concepts from the student's course of study. Individual projects are preferred, but group projects may be appropriate if each student in the group has specific and unique responsibilities.

Anatomy and Physiology (5276)
Anatomy & Physiology 1
Anatomy & Physiology 2
Anatomy & Physiology 1
Anatomy & Physiology 2

SCHAP00100
 SCHAP00200
 SCNAP00100
 SCNAP00200

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Biology
Credits:	1 to 2 semester course, 1 credit per semester, 2 credits maximum

Counts as a Directed Elective or Elective for all diplomas.

Fulfills a science course requirement for all diplomas.

Anatomy & Physiology is a course in which students investigate concepts related to Health Science, with emphasis on the 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 unit of all organisms, and covers tissues, integument, skeleton, muscular and nervous systems as an integrated unit. Through instruction, including laboratory activities and investigations, 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.

Biology I (L) (3024)**Biology I-1****Biology I-2****Biology I Credit Recovery 1****Biology I Credit Recovery 2****Biology I-1****Biology I-2****Biology I Honors 1****Biology I Honors 2****Biology I-1****Biology I-2**

SCHB100100

SCHB100200

SCHB107100

SCHB107200

SCHB140100

SCHB140200

SCHB160100

SCHB160200

SCNB100100

SCNB100200

Recommended Grade:

10

Required Prerequisites:

None

Recommended Prerequisites:

None

Credits:

2 semester course, 1 credit per semester

Fulfills the Biology requirement for all diplomas.

Biology I is a course based on the following core topics: cellular structure and function, matter cycles and energy transfer; interdependence; inheritance and variation in traits, 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 the Science and Engineering Practices (SEPS) and cross-cutting concepts.

Biology II (L) (3026)**Biology II-1****Biology II-2****Biology II Honors 1****Biology II Honors 2**

SCHB200100

SCHB200200

SCHB260100

SCHB260200

Recommended Grade:

10, 11

Required Prerequisites:

None

Recommended Prerequisites:

Biology I

Credits:

2 semester course, 1 credit per semester

*Counts as an Elective for all diplomas.**Fulfills a science course requirement for all diplomas.*

Biology II is an advanced laboratory, field, and literature investigations-based course. Students enrolled in Biology II examine in greater depth the structures, functions, and processes of living organisms. Students also analyze and describe the relationship of Earth's living organisms to each other and to the environment in which they live. In this course, students refine their scientific inquiry skills as they collaboratively and independently apply their knowledge of the unifying themes of biology to biological questions and problems related to personal and community issues in the life sciences.

Chemistry I (L) (3064)**Chemistry I-1****Chemistry I-2****Chemistry I Credit Recovery 1****Chemistry I Credit Recovery 2****Chemistry I Honors 1****Chemistry I Honors 2****Chemistry I-1****Chemistry I-2****SCHC100100****SCHC100200****SCHC107100****SCHC107200****SCHC160100****SCHC160200****SCNC100100****SCNC100200****Recommended Grade:**

10, 11, 12

Required Prerequisites:

None

Recommended Prerequisites:

Algebra II (can be taken concurrently)

Credits:

2 semester course, 1 credit per semester

*Fulfills a science (physical) course requirement for all diplomas.**Qualifies as a quantitative reasoning course.*

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 the Science and Engineering Practices (SEPS) and crosscutting concepts.

Chemistry II (L) (3066) - Northrop & Wayne Only**Chemistry II-1****Chemistry II-2****Chemistry II Honors 1****Chemistry II Honors 2****SCHC200100****SCHC200200****SCHC260100****SCHC260200****Recommended Grade:**

11, 12

Required Prerequisites:

None

Recommended Prerequisites:

Chemistry I and Algebra II

Credits:

2 semester course, 1 credit per semester

*Counts as an Elective for all diplomas.**Fulfills a science course requirement for all diplomas.**Qualifies as a quantitative reasoning course.*

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.

Earth and Space Science I (L) (3044)**Earth/Space Science: Academic 1****Earth/Space Science: Academic 2****Earth/Space Science: Credit Recovery 1****Earth/Space Science: Credit Recovery 2****Earth/Space Science: SE 1****Earth/Space Science: SE 2****Honors Earth/Space Science: Academic 1****Honors Earth/Space Science: Academic 2**

SCHS100100

SCHS100200

SCHS107100

SCHS107200

SCHS140100

SCHS140200

SCHS160100

SCHS160200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

*Counts as an Elective for all diplomas.**Fulfills a science course requirement for all diplomas.*

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 the Science and Engineering Practices (SEPS) and cross-cutting concepts.

Environmental Science (L) (3010)**Environmental Science 1****Environmental Science 2****Environmental Science: Credit Recovery 1****Environmental Science: Credit Recovery 2****Environmental Science 1****Environmental Science 2**

SCHE100100

SCHE100200

SCHE107100

SCHE107200

SCHE140100

SCHE140200

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	Two credits in science coursework
Credits:	2 semester course, 1 credit per semester

*Counts as an Elective for all diplomas.**Fulfills a science (life) course requirement for all diplomas.**Qualifies as a quantitative reasoning course.*

Environmental Science is an interdisciplinary course that integrates biology, earth science, chemistry, and other disciplines. Students completing Environmental Science acquire the essential tools for understanding the complexities of national and global environmental systems. Students enrolled in this course conduct in-depth scientific studies of ecosystems, population dynamics, resource management, and environmental consequences of natural and anthropogenic resource cycles. Cross-cutting concepts are an integral part of this course. Students formulate, design, and carry out laboratory and field investigations as an essential course component using the Science and Engineering Practices.

Integrated Chemistry-Physics (L) (3108)**Integrated Chem-Physics 1****Integrated Chem-Physics 2****Integrated Chem-Physics: SE 1****Integrated Chem-Physics: SE 2****Integrated Chem-Physics 1****Integrated Chem-Physics 2**

SCH100100

SCH100200

SCH140100

SCH140200

SCNI100100

SCNI100200

Recommended Grade:

9

Required Prerequisites:

None

Recommended Prerequisites:

Algebra I (may be taken concurrently with this course)

Credits:

2 credit course, 1 credit per semester

*Counts as an elective for all diplomas.**Fulfills a science (physical) course requirement for all diplomas.**Qualifies as a Quantitative Reasoning course.*

Integrated Chemistry-Physics is a course focused on the following core topics: constant velocity; uniform acceleration; Newton's Laws of motion (one dimension); energy; particle theory of matter; describing substances; representing chemical change; electricity and magnetism; waves; nuclear energy. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation using the Science and Engineering Practices (SEPS) and crosscutting concepts.

Physics I (L) (3084)**SCHP100100 Physics I-1****SCHP100200 Physics I-2**

SCHP100100

SCHP100200

Recommended Grade:

9, 10, 11

Required Prerequisites:

None

Recommended Prerequisites:

Algebra I or Algebra II

Credits:

2 credit course, 1 credit per semester

*Counts as an elective for all diplomas.**Fulfills a science (physical) course requirement for all diplomas.**Qualifies as a quantitative reasoning course.*

Physics I is a course focused on the following core topics: constant velocity; constant acceleration; forces; energy; linear momentum in one dimension; simple harmonic oscillating systems; mechanical waves and sound; simple circuit analysis. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation using the Science and Engineering Practices (SEPS) and cross-cutting concepts.

PLTW Biomedical Innovation (5219) - Snider Only**Biomedical Innovations: PLTW 1****Biomedical Innovations: PLTW 2****SCHBI91100****SCHBI91200**

Recommended Grade:	12
Required Prerequisites:	Principles of Biomedical Sciences; Human Body Systems or Anatomy and Physiology; Medical Interventions
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Biomedical Innovation is a capstone course designed to give students the opportunity to design innovative solutions for the health challenges of the 21st Century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Students have the opportunity to work on an independent project and may work with a mentor or advisor from a healthcare or post-secondary industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community. NOTE: This course aligns with the PLTW Biomedical Innovations curriculum. Use of the PLTW Curriculum may require additional training and membership in the PLTW network.

PLTW Human Body Systems (5216)**Human Body Systems: PLTW 1****Human Body Systems: PLTW 2****Human Body Systems: PLTW 1****Human Body Systems: PLTW 2****SCHHB91100****SCHHB91200****SCNBI91100****SCNBI91200**

Recommended Grade:	10
Required Prerequisites:	Principles of Biomedical Sciences
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

Counts as a directed elective or elective for all diplomas

Fulfills a science requirement for all diplomas

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. NOTE: This course aligns with the PLTW Human Body Systems curriculum. Use of the PLTW Curriculum may require additional training and membership in the PLTW network.

PLTW Medical Interventions (5217)**Medical Interventions: PLTW 1****Medical Interventions: PLTW 1****Medical Interventions: PLTW 1****Medical Interventions: PLTW 2****SCHMI91100****SCHMI91200****SCNHB91100****SCNHB91200**

Recommended Grade:	11
Required Prerequisites:	Principles of Biomedical Sciences
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

*Counts as a directed elective or elective for all diplomas**Fulfills a science requirement for all diploma types.*

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

PLTW Principles of Biomedical Sciences (5218)**Principles Biomedical Science: PLTW 1****Principles Biomedical Science: PLTW 2****Principles Biomedical Science: PLTW 1****Principles Biomedical Science: PLTW 2****SCHPB91100****SCHPB91200****SCNPB91100****SCNPB91200**

Recommended Grade:	9
Required Prerequisites:	Biology I or concurrent enrollment in Biology I is required
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

*Counts as a directed elective or elective for all diplomas**Fulfills a science requirement for all diplomas*

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

SOCIAL STUDIES

COURSE DESCRIPTIONS



Citizenship and Civics (1508) - Wayne Only**Citizenship and Civics****Citizenship and Civics**

SSHC100300

SSNC100300

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

Counts as an Elective for all diplomas.

Fulfills social studies requirement for General Diplomas.

Citizenship and Civics is an overview of citizenship roles and responsibilities designed to help students become independent thinkers and conscientious citizens. This course deals with political trends and behavior which citizens consider to be relevant to the most pressing issues of the day. The course provides students experiences that will develop attitudes of citizenship within a democratic society. Topics include: (1) the policymaking process, (2) public participation in policymaking, (3) citizenship rights and responsibilities in a changing society, and (4) the relationship between modern society and government. Study of the local government should be a component of this course.

Current Problems, Issues, and Events (1512) - Northrop Only**Current Issues: Global Society****Current Issues & Events 1****Current Issues & Events 2**

SSHS100300

SSNC100100

SSNC100200

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

Course may be repeated for credit if the content of the course changes.

Counts as an elective for all diplomas

Fulfills social studies requirement for General Diplomas.

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

Economics (1514)
Economics: Academic
Economics: Credit Recovery
Economics: Honors
Advanced SS: Fund of Econ SBP
Economics

SSHEC00300
SSHEC07300
SSHEC60300
SSHFE91300
SSNE100300

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit

Counts as an Elective for all diplomas.

Fulfills the Economics requirement for the Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors and International Baccalaureate diplomas.

Fulfills a Social Studies requirement for the General Diploma only.

Qualifies as a quantitative reasoning course.

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

Ethnic Studies (1516)
Ethnic Studies

SSHE100300

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit

Counts as an Elective for all diplomas.

Must be offered at least once per school year.

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

Geography and History of the World (1570)**Geo & History of the World 1****Geo & History of the World 2****Geo & History of the World: Credit Recovery 1****Geo & History of the World: Credit Recovery 2****Geo & History of the World 1****Geo & History of the World 2****Geo & History World: Honors 1****Geo & History World: Honors 2****SSHG100100****SSHG100200****SSHG107100****SSHG107200****SSNG100100****SSNG100200****SSNG160100****SSNG160200****Recommended Grade:**

None

Required Prerequisites:

None

Recommended Prerequisites:

None

Credits:

2 semester course, 1 credit per semester

*Counts as a social studies requirement for the General Diploma.**Counts as an elective for all diplomas.**Fulfills the Geography History of the World/World History and Civilization graduation requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.*

Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions. Geographical and historical skills include forming research questions, acquiring information by investigating a variety of primary and secondary sources, organizing information by creating graphic representations, analyzing information to determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. The historical geography concepts used to explore global themes include change over time, origin, diffusion, physical systems, cultural landscapes, and spatial distribution/patterns and interaction/relationships. Students use the knowledge, tools, and skills obtained from this course in order to analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century.

Indiana Studies (1518)**Indiana Studies****SSHI103300****Recommended Grade:**

None

Required Prerequisites:

None

Recommended Prerequisites:

None

Credits:

1 semester course, 1 credit per semester

*Counts as an Elective for all diplomas.**Fulfills course requirement for the General Diploma.**Must be offered at least once per school year.*

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

Psychology (1532)

Psychology
 Psychology 1
 Psychology 2
 Psychology

SSHP100300
 SSHP100100
 SSHP100200
 SSNP100300

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1-2 semester course, 1 credit per semester

Counts as an elective for all diplomas.

Fulfills course requirement for the General Diploma.

Psychology is the scientific study of mental processes and behavior. The course is divided into eight content areas: History and Scientific Method, Biological Basis for Behavior, Development, Cognition, Personality and Assessment, Abnormal Psychology, Socio-Cultural Dimensions of Behavior, and Psychological Thinking. History and Scientific Method explores the history of psychology, the research methods used, and the ethical considerations that must be utilized. Biological Basis for Behavior focuses on the way the brain and nervous system function, including sensation, perception, motivation and emotion. Development analyzes the changes through one's life including the physical, cognitive, emotional, social and moral development. Cognition focuses on learning, memory, information processing, and language development. Personality and Assessment explains the approaches used to explain one's personality and the assessment tools used. Abnormal Psychology explores psychological disorders and the various treatments used for them. Socio-Cultural Dimensions of Behavior covers topics such as conformity, obedience, perceptions, attitudes and influence of the group on the individual. Psychological Thinking explores how to think like a psychologist and expand critical thinking skills needed in the day-to-day life of a psychologist.

Sociology (1534)

Sociology
Sociology

SSHSC00300
 SSNS100300

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

Counts as an elective for all diplomas.

Fulfills course requirement for the General Diploma.

Sociology allows students to study human social behavior from a group perspective. The sociological perspective is a method of studying recurring patterns in people's attitudes and actions and how these patterns vary across time, cultures, and in social settings and groups. Students describe the development of sociology as a social science and identify methods of research. Through research methods such as scientific inquiry students examine society, group behavior, and social structures. The influence of culture on group behavior is addressed through institutions such as the family, religion, education, economics, community organizations, government, and political and social groups. The impact of social groups and institutions on group and individual behavior and the changing nature of society will be examined. Influences on group behavior and social problems are included in the course. Students also analyze the role of individuals in the community and social problems in today's world.

Topics in History (1538)**Topic/History: Holocaust****Topic/History: US & WW II-1/SSHT100202 Topic/History: US & WW II-2****Topic/History: World Studies****Topic/History: Holocaust (New Tech)****Topic/History: US & WWII (New Tech)**

SSHT100301

SSHT100102

SSHT100306

SSNT100302

SSNT100303

Recommended Grade:

11, 12

Required Prerequisites:

None

Recommended Prerequisites:

United States History or History and World Civilizations

Credits:

1 semester course, 1 credit per semester

*This course may be repeated if the material in the course is different from one semester to the next.**Topics in History can address different topics in World History or U.S. History.**Counts as an elective for all diplomas.**Fulfill course requirement for General Diploma.*

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

Topics in Social Science (1550) - Snider Only**TSS: Criminology****TSS: We The People**

SSHT100308

SSHTW00300

Recommended Grade:

11, 12

Required Prerequisites:

None

Recommended Prerequisites:

None

Credits:

1 semester course, 1 credit per semester

*Counts as an elective for all diplomas.**Fulfills course requirement for the General Diploma.*

Topics in Social Science provides students with an opportunity for in-depth study of a specific topic, theme, or concept in one of the social science disciplines such as anthropology, archaeology, economics, geography, political science, psychology, or sociology. It is also possible to focus the course on more than one discipline. A subtitle should be included to give a clear idea of the course content. For example, a course focusing on a specific in political science might be entitled, "Topics in Social Science: Comparative Government." Courses taught under this title should emphasize scientific methods of inquiry and help students develop effective research and thinking skills.

United States Government (1540)**US Government****US Government: Honors****US Government****SSHUG00300****SSHUG60300****SSNG100300**

Recommended Grade:	11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

Students are required to take the naturalization test for citizenship per SEA 132.

SEA 398 (Spring 2020) states that schools will be required to issue the naturalization test, report results, and post test data results starting in November 2022.

Fulfills government requirement for all diplomas.

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

World History and Civilization (1548)**World History & Civics: Academic 1****World History & Civics: Academic 2****World History & Civics: Credit Recovery 1****World History & Civics: Credit Recovery 2****World History & Civics: SE 1****World History & Civics: SE 2****World History & Civics: Honors 1****World History & Civics: Honors 2****SSHW100100****SSHW100200****SSHW107100****SSHW107200****SSHW140100****SSHW140200****SSHW160100****SSHW160200**

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as an elective for all diplomas.

Fulfills the Geography and History of the World/World History and Civilizations graduation requirement for all diplomas

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

Urban Affairs (1544)
Urban Affairs

SSHU100300

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	1 semester course, 1 credit per semester

Counts as an Elective for all diplomas.
Fulfills course requirement for General Diploma.

Urban Affairs examines the history, organization, processes, and distinctive aspects of urban affairs. The rise of modern cities and an analysis of modern urban problems are dealt with in this course. The politics of governing urban areas, including the selection of political leaders and citizen participation in the decision-making process, is to be emphasized. Data collection and research skills may be taught in conjunction with the study of this course.

United States History (1542)
US History 1/SSHH100200 US History 2
US History Credit Recovery 1
US History Credit Recovery 2
US History 1
US History 2
US History Honors 1
US History Honors 2
US History 1
US History 2

SSHH100100
SSHH107100
SSHH107200
SSHH140100
SSHH140200
SSHH160100
SSHH160200
SSNH100100
SSNH100200

Recommended Grade:	None
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Fulfills the US History requirement for all diplomas.

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



WORK-BASED PROGRAMS

COURSE DESCRIPTIONS

Cooperative Education (6162) - Career Academy
Cooperative Education 1
Cooperative Education 2
WBHCE0B100
WBHCE0B200

Recommended Grade:	12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum

Counts as a directed elective or elective for all diplomas

Course is funded at a flat rate of \$150; No longer counts toward concentrator status.

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

Work Based Learning Capstone (5974)
Advanced Manufacturing: CONEXUS Intern
Advanced Manufacturing: CONEXUS Intern
Bus Coop Exp Related Instruction 1
Bus Coop Exp: Related Instruction 2
Bus Coop Exp: On-The-Job Training
Bus Coop Exp: On-The-Job Training 2
TEHM40B100
TEHM40B200
WBHBE00100
WBHBE00200
WBHBE0B100
WBHBE0B200


Recommended Grade:	12
Required Prerequisites:	Complete at least one advanced career and technical education course from a program or program of study. Worksite placement must align to the student pathway.
Recommended Prerequisites:	None
Credits:	1 semester course, 1-3 credits per semester, 6 credits maximum

A minimum of 85 hours of workplace and classroom activities are required for one credit; 170 hours are required for the two credits. Of the 85 or 170 hours, 18 to 36 hours (at least)

Counts as a directed elective or elective for all diplomas

Course is funded at a flat rate of \$500; No longer counts toward concentrator status.

Work Based Learning Capstone is a stand-alone course that prepares students for college and career. Work-based Learning means sustained interactions with industry or community professionals in real workplace settings, to the extent practicable, or simulated environments at an educational institution that foster in-depth, first hand engagement with the tasks required of a given career field, that are aligned to curriculum and instruction. Work-based Learning Capstone experiences occur in workplaces and involve an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement and training plan is developed by the student, teacher, and workplace mentor/supervisor to guide the student's work-based experiences and assist in evaluating achievement and performance. Related instruction shall be organized and planned around the activities associated with the student's individual job and career objectives in a pathway; and shall be taught during the same semester the student is participating in the work-based experience. For a student to become employable, the related instruction should cover: (a) employability skills, and (b) specific occupational competencies. Counts as a Directed Elective or Elective for all diplomas and fulfills Domain II of the Graduation Pathway.



Spanish

WORLD LANGUAGES

COURSE DESCRIPTIONS

русский

繁體中文

Português

ไทย

हिन्दी

Deutsch

Arabic I (2200)
Arabic I-1
Arabic I-2

WLHA100100
WLHA100200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Arabic I, a course based on Indiana's Academic Standards for World Languages, introduces students to effective strategies for beginning Arabic language learning, and to various aspects of Arabic-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. Students will examine the practices, products and perspectives of Arabic-speaking cultures, recognize basic routine practices of the target cultures, and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding the Arabic language and culture outside of the classroom.

French I (2020)
French I-1
French I-2

WLHF100100
WLHF100200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

French I, a course based on Indiana's Academic Standards for World Languages, introduces students to effective strategies for beginning French language learning, and to various aspects of French-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. Students will examine the practices, products and perspectives of French-speaking cultures, recognize basic routine practices of the target cultures, and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding the French language and culture outside of the classroom.

French I (2020)

French I-1

French I-2

WLHF100100

WLHF100200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

French I, a course based on Indiana's Academic Standards for World Languages, introduces students to effective strategies for beginning French language learning, and to various aspects of French-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. Students will examine the practices, products and perspectives of French-speaking cultures, recognize basic routine practices of the target cultures, and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding the French language and culture outside of the classroom.

French II (2022)

French II-1

French II-2

WLHF200100

WLHF200200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	French I
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

French II, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for French 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 the 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 French-speaking cultures; report on basic family and social practices of the target culture, and describe contributions from the target culture. Counts as a Directed Elective or Elective for any diploma. This course further emphasizes making connections across content areas and the application of understanding the Arabic language and culture outside of the classroom.

French III (2024)

French III-1

French III-2

WLHF300100

WLHF300200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	French I and II
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

French III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for French language learning by facilitating the use of 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 an understanding of French-speaking cultures 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 as the application of understanding the French language and culture outside of the classroom.

French IV (2026)

French IV-1

French IV-2

WLHF400100

WLHF400200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	French I, II and III
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

French IV, a course based on Indiana's Academic Standards for World Languages, provides opportunities for students to interact and exchange information in culturally and socially authentic and/or simulated situations to demonstrate the integration of language skills with an understanding of French-speaking culture. This course emphasizes the use of appropriate formats, varied vocabulary and complex language structures within student communication, both oral and written, as well as the opportunity to produce and present creative material using the language. Additionally, students will continue to develop an understanding of French-speaking culture through investigating the origin and impact of significant events and contributions unique to the target culture, comparing and contrasting elements that shape cultural identity in the target culture and the student's own culture, and explaining how the target language and culture and impacted other communities. This course further emphasizes the integration of concepts and skills from other content areas with the target language and cultural understanding, as well as the exploration of community resources intended for native French speakers.

French V (2028) - South Side Only
French V-1
French V-2

WLHF500100
WLHF500200

Recommended Grade:	10, 11, 12
Required Prerequisites:	French I, II, III and IV
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

French V, a course based on Indiana's Academic Standards for World Languages, provides opportunities for students to interact and exchange information in culturally and socially authentic and/or simulated situations to demonstrate the integration of language skills with an understanding of French-speaking culture. This course emphasizes the use of appropriate formats, varied vocabulary and complex language structures within student communication, both oral and written, as well as the opportunity to produce and present creative material using the language. Additionally, students will continue to develop an understanding of French-speaking culture through investigating the origin and impact of significant events and contributions unique to the target culture, comparing and contrasting elements that shape cultural identity in the target culture and the student's own culture, and explaining how the target language and culture and impacted other communities. This course further emphasizes the integration of concepts and skills from other content areas with the target language and cultural understanding, as well as the exploration of community resources intended for native French speakers.

German I (2040)
German I-1
German I-2

WLHG100100
WLHG100200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

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

German II (2042)

German II-1

German II-2

WLHG200100

WLHG200200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	German I
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

German II, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for German language learning by facilitating the use of 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 than in previous courses. 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 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 the German language and culture outside of the classroom.

German III (2044)

German III-1

German III-2

WLHG300100

WLHG300200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	German I and II
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

German III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for German language learning by facilitating the use of 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 an understanding of German-speaking cultures 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 as the application of understanding the German language and culture outside of the classroom.

German IV (2046) - Northrop Only
German IV-1
German IV-2

WLHG400100
WLHG400200

Recommended Grade:	10, 11, 12
Required Prerequisites:	German I, II and III
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

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

German IV, a course based on Indiana's Academic Standards for World Languages, provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through an 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. Students will continue to develop an understanding of German-speaking cultures 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.

Spanish I (2120)
Spanish I-1
Spanish I-2
Spanish I-1
Spanish I-2

WLHS100100
WLHS100200
WLNS100100
WLNS100200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	None
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

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

Spanish I, a course based on Indiana's Academic Standards for World Languages, introduces students to effective strategies for beginning Spanish language learning, and to various aspects of Spanish-speaking cultures. This course Spanish I 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. Students will examine the practices, products and perspectives of Spanish-speaking cultures, recognize basic routine practices of the target cultures, and recognize and use situations appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding the Spanish language and culture outside of the classroom.

Spanish II (2122)

Spanish II-1

Spanish II-2

Spanish II-1

Spanish II-2

WLHS200100

WLHS200200

WLNS200100

WLNS200200

Recommended Grade:	9, 10, 11, 12
Required Prerequisites:	Spanish I
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Spanish II, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess the 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 cultures; 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 the Spanish language and culture outside of the classroom.

Spanish III (2124)

Spanish III-1

Spanish III-2

Spanish III-1

Spanish III-2

WLHS300100

WLHS300200

WLNS300100

WLNS300200

Recommended Grade:

9, 10, 11, 12

Required Prerequisites:

Spanish I and II

Recommended Prerequisites:

None

Credits:

2 semester course, 1 credit per semester

Counts as a directed elective or elective for all diplomas

Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Spanish III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by facilitating the use of 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 than in previous courses. 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. Students will continue to develop an understanding of Spanish-speaking cultures 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 as the application of understanding the Spanish language and culture outside of the classroom.

Spanish IV (2126)
Spanish IV-1
Spanish IV-2

WLHS400100
WLHS400200

Recommended Grade:	10, 11, 12
Required Prerequisites:	Spanish I, II and III
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

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

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 an 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. Students will continue to develop an understanding of Spanish-speaking cultures 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.

Spanish V (2128) - South Side Only
Spanish V-1
Spanish V-2

WLHS500100
WLHS500200

Recommended Grade:	10, 11, 12
Required Prerequisites:	Spanish I, II, III, and IV
Recommended Prerequisites:	None
Credits:	2 semester course, 1 credit per semester

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

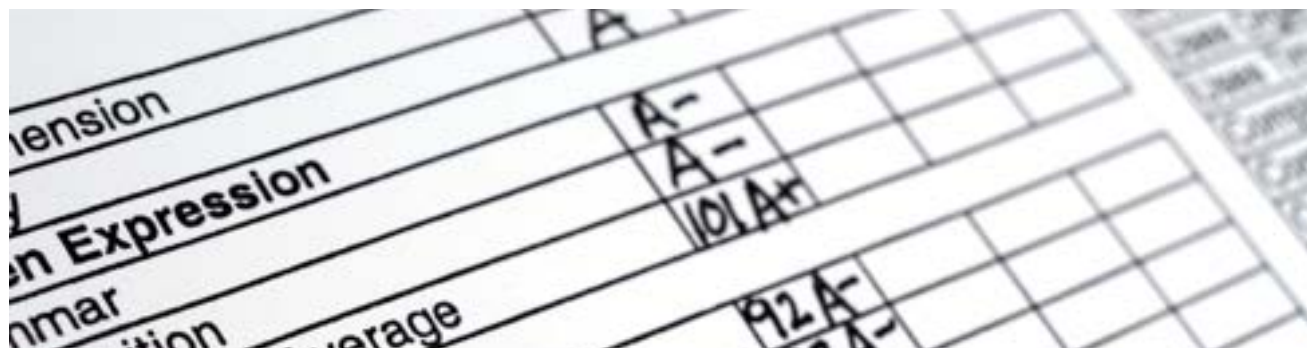
Spanish V, a course based on Indiana's Academic Standards for World Languages, provides opportunities for students to interact and exchange information in culturally and socially authentic and/or simulated situations to demonstrate the integration of language skills with an understanding of Spanish-speaking culture. This course emphasizes the use of appropriate formats, varied vocabulary and complex language structures within student communication, both oral and written, as well as the opportunity to produce and present creative material using the language. Additionally, students will continue to develop an understanding of Spanish-speaking culture through investigating the origin and impact of significant events and contributions unique to the target culture, comparing and contrasting elements that shape cultural identity in the target culture and the student's own culture, and explaining how the target language and culture and impacted other communities. This course further emphasizes the integration of concepts and skills from other content areas with the target language and cultural understanding, as well as the exploration of community resources intended for native Spanish speakers.

**HIGH SCHOOL,
COLLEGE & CAREER
PLANNING**

INFORMATION

GRADING SCALE

Letter Grade	Percent	HS GPA Quality Points	Key Points
A+	98-100	4.33	12
A	93-97	4.00	11
A-	90-92	3.67	10
B+	87-89	3.33	9
B	83-86	3.00	8
B-	80-82	2.67	7
C+	77-79	2.33	6
C	73-76	2.00	5
C-	70-72	1.67	4
D+	67-69	1.33	3
D	63-66	1.00	2
D-	60-62	0.67	1
F	59-0		0



HIGH SCHOOL GRADING GUIDELINES

GRADING PROCEDURES

FWCS' high school grading procedures are designed to reflect a student's mastery of course knowledge more accurately. Study skills, work ethic and responsibility remain key factors in being academically successful, but a student's letter grade will be based on academic achievement. This system provides even weight for each letter grade given for each assignment. Traditionally, an F, particularly a 0, carried far more weight than the highest grades. Below are additional highlights of the new system.

KEY POINTS

- Grades are determined based on demonstrated performance and do not include extra credit, behavior, attendance or work habits. Only assessments measuring what a student knows according to course standards shall be included in calculating the grade.
- Non-academic factors (behavior, attendance, attitude, punctuality and effort) are essential and contribute to a student's achievement but will not be a part of the academic grade. Two non-academic factors, work ethic and behavior will be evaluated and reported on separately for each course on mid-term and final grade reports, in addition to course-by-course attendance and tardy information recorded.

KEY POINTS (CONT.)

- Academic practice assessments will account for 20 percent of a student's course grade. Practice assessments include teacher observations, quizzes, homework, rough drafts, peer editing and notebook checks. Homework is a type of formative assessment, and formative assessment must count for 20 percent of a student's final grade.
- Summative assessments will account for 80 percent of the student's course grade. Summative assessments are cumulative and typically include unit tests, common assessments, semester exams and culminating projects, demonstrations, exhibitions, papers and labs.
- Students will be expected to complete missing coursework. Late coursework will be accepted as long as there is still an opportunity to learn from it and it occurs during the unit of study. There will be one unit (e.g., from 12 to 11) reduction in the coursework grade per day if the assignment is turned in past the due date, after which the student will receive a zero. Exceptions may occur at the teacher's/principal's discretion for prolonged absences or for coursework for which a due date for the work is irrelevant.
- Students will be given opportunities to redo/revise coursework within the unit of study as mastery of the material is what is important, not (within reason) when mastery occurs.

HIGH SCHOOL GRADING GUIDELINES

GRADING PROCEDURES (Cont.)

- Academic practice assessments will account
- Students must show they have completed a corrective (independent practice, peer tutoring, study guides, additional reading or coursework, a review in class, etc.) before they will be allowed to attempt an alternative assessment.
- Scores for student work after retaking, revising or redoing will not be averaged with the first attempt at coursework or assessment but will replace the original student score.

WEIGHTED GRADING SYSTEM

The weighted grading system is intended to reward and recognize academic rigor. In the weighted system, identified courses, such as Advanced Placement and college credit classes, will be weighted more heavily than other courses. The following guidelines will apply:

- Each identified course will carry an add-on of .025 for each semester when a grade of "C-" or higher is received.
- The add-on will be automatic and reflected on the transcript and in class rank.
- Students transferring from outside FWCS with GPAs weighted from other schools will receive credit according to FWCS regulation only.
- Students taking college courses on a college campus may bring credit back to the high school for a 1.0 weighted credit class per semester.
- Identified courses for weighted grading credit at FWCS High Schools are all Advanced Placement courses and courses taken through SBP or Collegiate Connection or other college courses, which have been approved for weighted grading credit. Contact your high school guidance counselor to find out which classes have weighted grades.

HIGH SCHOOL CREDITS EARNED IN MIDDLE SCHOOL

FWCS' high school grading procedures are designed to accurately reflect a student's mastery of course knowledge. Study skills, work ethic and responsibility remain key factors in being academically successful, but a student's letter grade is based on academic achievement. This system provides even weight for each letter grade given for each assignment. Traditionally, an F, particularly a 0, carried far more weight than the highest grades. Below are additional highlights of the new system.

Algebra I (MA1890)
Algebra II (MA1850)
Introduction to Business (BE1820)
Spanish I (WL2120)
Spanish II (WL2122)
French I (WL2020)
French II (WL2022)

The completion of Core 40 is an Indiana graduation requirement. To graduate with less than Core 40, the following formal opt-out process must be completed:

- The student, the student's parent/guardian, and the student's counselor (or another staff member who assists the student in course selection) must meet to discuss the student's progress.
- The student's Graduation Plan (including four-year course plan) is reviewed.

- 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.

GENERAL DIPLOMA

- Mathematics courses, including Algebra I, Algebra II or any other higher-level math courses, taken before ninth grade do not count toward the six math credits required for high school graduation. Any math courses taken before ninth grade will count as elective credits on the student's high school transcript. Students must still earn a minimum of six mathematics credits while in grades 9-12.
- Students who take Algebra I, Algebra II or any other higher-level math in middle school may retake the course in high school if they did not pass or to earn a higher grade. Retaking the course in grades 9-12 would result in the course counting as math credits toward the high school diploma. The middle school grade will remain on the student's transcript, but it will not be figured into the student's GPA; only the new grade earned in high school will be calculated.

HIGH SCHOOL CREDITS EARNED IN MIDDLE SCHOOL

ALL DIPLOMAS

- World language courses count as a Directed Elective or Elective for all diplomas and may be used to fulfill the world language requirement for the Academic Honors, Core 40 diploma.
- Introduction to Business counts as a Directed Elective or Elective for all diplomas.
- A student may elect to have their course included on their middle school transcript while opting out of having the credit included on their high school transcript. If a student wants the course listed on their transcript, they must complete a Request for High School Credit for a Middle School Course form (found in the back of this handbook) to have the credit transferred onto their high school transcript.



ADVANCED PLACEMENT, DUAL CREDIT & COLLEGE CREDIT

ADVANCED PLACEMENT, DUAL CREDIT & COLLEGE CREDIT

There are three avenues through which students can earn college credit:

- College credit can be earned through enrolling in an Advanced Placement or International Baccalaureate standard level (South Side High School) classes and then taking and passing the corresponding examination at the end of the course. On AP examinations, students who earn at least a three on the AP Exam will earn college credit at any state school in Indiana (examples – Purdue University, Indiana University). In addition, any student may take an AP exam, even if they have never taken the class to support the AP exam. The cost of taking the AP exam without the support of the class is the student's responsibility.
- Students may enroll in college courses with reduced tuition through a School-Based Program (SBP) taught by FWCS faculty who are adjunct professors through a local college. Yearlong courses earn one high school credit per semester.
- Students may enroll in college courses on a college campus if the college-level course they intend to take is not available at the student's school. Students may schedule this as part of their school day, or classes may be taken before, after school, or in the summer. If a student elects to take a course outside of

ADVANCED PLACEMENT, DUAL CREDIT & COLLEGE CREDIT (CONT.)

their school day, they will be required to attend a full day at their home school. Students must seek prior approval from the high school guidance counselor by completing the Student Request for College Credit form (found in the back of this handbook). Requests for College Credit must be approved by the school and the Office of School Leadership before enrolling in a college course. The signed form must be returned to the school before registering for the class. Courses earn one high school credit per semester.

4. Per the Indiana Department of Education and the Commission for High Education, local high schools have the flexibility to determine the number of high school credits that should be awarded for a dual credit course based on these guidelines:

- The number of high school credits awarded for a dual credit course cannot exceed the number of credits listed on the bullet portion of the State Approved High School Course Titles and Descriptions document. For example, a student who completes a Senior English course through a dual credit course with Indiana University would earn two high school credits for the year. Typically, a **one-semester** college course transfers as **one** high school credit and a **two-semester** college course as **two** high school credits. The exception is when a one-semester

ADVANCED PLACEMENT, DUAL CREDIT & COLLEGE CREDIT

ADVANCED PLACEMENT, DUAL CREDIT & COLLEGE CREDIT (CONT.)

college course covers the equivalent of two semesters' worth of a high school course (which typically happens with a World Language dual credit course). In those cases, the content of the course is equivalent to two semesters' worth of a high school course (which typically happens with a World Language dual credit course). In those classes, since the content of the course is equivalent to two semesters worth of high school material, the student should receive two credits. Most college credits are transferable to Indiana colleges and universities. However, the courses may be counted as electives and not as the specific course as listed on the student's college transcript. It is the student's responsibility to know and understand how the college credits granted in high school transfer to the college they attend after high school. Students may also enter an early college program where a combination of the above options can be used to allow students to earn an associate's degree while completing high school. Students need to check with the university or college they are enrolling in or considering enrollment to validate any dual credit.

ADVANCED PLACEMENT, DUAL CREDIT & COLLEGE CREDIT (CONT.)

Students must enroll in any college credit program according to the individual institution's qualifications. For more information about the dual enrollment programs at the colleges and universities, visit the web pages linked below.

Advanced Placement and International Baccalaureate Courses – see your high school counselor.

Purdue University, Fort Wayne

www.pfw.edu

Ivy Tech, Fort Wayne

www.ivytech.edu/dual-credit/

Vincennes University

www.vinu.edu/dual-credit

Indiana Tech

www.admissions.indianatech.edu/early-start/dual-credit/

Trine University

www.trine.edu/academics/academic-programs/dual-enrollment/index.aspx

SCHEDULING POLICIES AND PROCEDURES

STEPS FOR STUDENT SCHEDULING

- Parents/Guardians and students should review the FWCS Course Description Handbook and complete the course selection sheet before meeting with a guidance counselor.
- Students will finalize selections with a counselor.
- Schedule changes will be made once tentative schedules have been distributed. Changes will be made during indicated times.
- All students are expected to attend registration.

SCHEDULE CHANGE POLICY

Schedule changes will be made only for the following reasons:

- A need to balance classes
- Errors made by the school in developing the schedule
- Medical reason with proper documentation
- Request to take courses to qualify for Core 40 or Academic Honors Diploma (AHD)
- Failure of a course required for graduation
- Failure to have the required prerequisite
- Student requests to attend full year rather than be a January graduate

SCHEDULE CHANGE POLICY (CONT.)

It is expected that the parent/guardian and student have carefully studied the FWCS Course Description Handbook in choosing the appropriate student program. Occasionally, individual situations will arise that will need to be reviewed by a guidance counselor to determine whether a schedule change is necessary. The student's teacher, parent/guardian, and guidance counselor will consider these situations. A recommendation will be made to the assistant principal or the principal who will make the final decision.

WITHDRAWAL FROM A COURSE

- During registration in July, a student may request to withdraw from a course without penalty.
- After the first week (five school days) of the semester, should the student wish to withdraw, the classroom teacher determines the status of the student's grade at the time of withdrawal.
The teacher may:
 - Choose to allow the student to withdraw without penalty. The student may be in the wrong course level or unable to complete the course requirements because of an extended illness.

SCHEDULING POLICIES AND PROCEDURES

WITHDRAWAL FROM A COURSE (CONT.)

"WP" (Withdrawal Passing) is shown on the permanent record, and the course is not added to the grade-point average (GPA).

- Choose to assess a penalty grade for the semester with a "WF" (Withdrawal Failing) grade. The "WF" grade may be assessed when a teacher determines the student is capable of completing course requirements. A "WF" grade is computed into the student's grade-point average as an "F" for the semester and is shown on the permanent record.

3. All schedule changes initiated by the student, such as level changes in Mathematics and English, are not considered course withdrawals and should be requested during the first nine (9) weeks of classes in a new semester. This should be approved in collaboration with the present teacher, the new teacher of the subject area, and a guidance counselor and principal designee.
4. All discussion of withdrawal from a class must begin with the student, the classroom teacher and the student's parent/guardian.
5. Occasionally, there will be situations that arise which will need to be reviewed by a guidance counselor to determine whether a schedule change is required after the first week (five school days) deadline. These situations will be reviewed on an as-need basis. This may include changes to an Individual Education Plan (IEP).

REPEATING COURSES

The rationale for repeating a class is limited to improving the student's understanding and achievement and/or improving the student's ability to meet post-secondary goals. The transcript will show all grades, including the original class and the second (retaken) course, with the higher of the two grades included in the GPA.

Students may retake a high school course if any of the following conditions are present:

- A student may be recommended by their guidance counselor to repeat a passed course for better understanding when they are not adequately prepared for the next related course in the series.

To improve a grade of any kind, the requirements are:

- A student must have a grade of not lower than a C- in any course qualifying for the AHD (except the course to be repeated) and an overall GPA of 3.0 (B). When students meet the criteria and request to repeat a course in the next possible semester, the student, the parents/guardians, and the counselor will decide. If the requirements are not met, or there is a lapse of time before the student asks to repeat a course, the final decision to repeat a course will be made by the school principal.

HOME SCHOOL TRANSFER PROCEDURE

HOME SCHOOL TRANSFER PROCEDURE

This procedure implements Board Policy 5463, Transfer Credits. Fort Wayne Community Schools will evaluate the transcripts of students transferring into FWCS from a home school to determine appropriate courses and grade levels. Students in grades K-8 will be placed in age-appropriate classrooms. For students in grades 9-12, FWCS will convene a committee consisting of the principal, department chair, a member of the student's family, and an employee from the Community Engagement and Curriculum, Assessment and Instruction departments, as well as an employee of the Level Office, to evaluate and determine course completion from the home school transcript and FWCS course enrollment. In addition to transcripts, parents must provide evidence to support their student's completion of coursework; examples include textbooks, curriculum materials, correspondence program names and contacts, and transcripts from colleges.

PROCEDURE:

- Parents shall submit all pertinent materials, including but not limited to Indiana home school registration numbers, test results, attendance records, and the curriculum used by the home school.
- FWCS will share the transcript before the meeting and will have the committee review the transcript and the possible DOE Course

PROCEDURES (CONT.)

Codes that could align with the courses already taken.

3. Committee members will cross-reference the transcript with the parent-requested grade-level checklist.
4. The committee will evaluate any standardized assessment scores examples – IOWA, Stanford 10, California Achievement Test, PSAT, SAT, and ACT)
5. If the student has not been administered a standardized assessment, then an approved achievement test consistent with the grade level expected for the student age shall be administered by a certified Fort Wayne Community Schools employee (IDOE suggestion and local decision; could be an interim assessment).
6. The committee will decide on what, if any, credit is to be given for work done in the home school. Grades must be assigned to those courses that meet the General, Core 40, Core 40 with Academic Honors, or Core 40 with Technical Honors diploma requirements.

PUBLIC, PRIVATE AND CHARTER SCHOOL TRANSFER PROCEDURE

PUBLIC, PRIVATE & CHARTER SCHOOL TRANSFER PROCEDURE

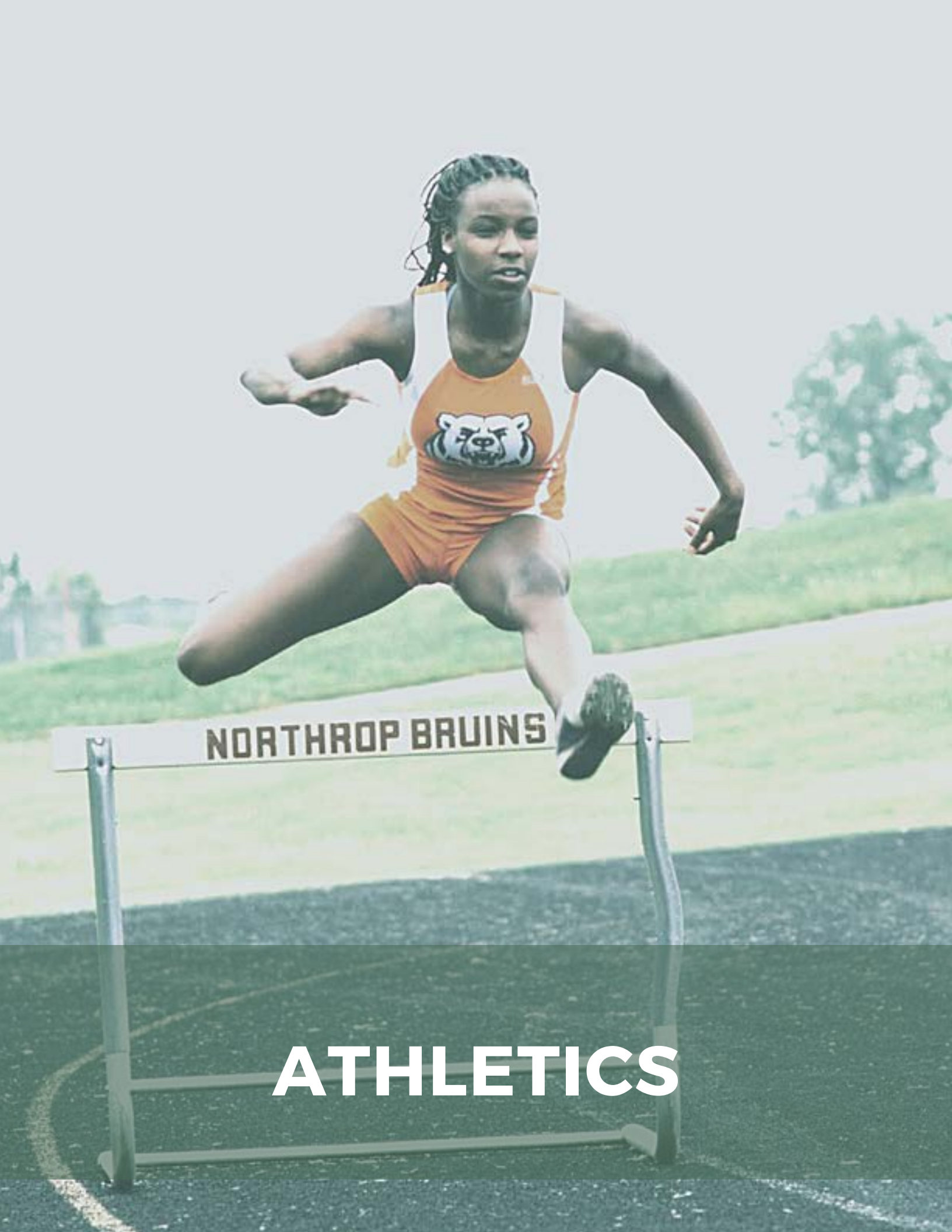
This procedure implements Board Policy 5463, Transfer Credits. When a new or returning student enters Fort Wayne Community Schools, guidance coordinators or counselors will ensure that students are enrolled in the appropriate classes based on the prior coursework in other schools. High school guidance coordinators or counselors and registrars will follow the steps below to ensure that new students are enrolled in the correct classes. According to Indiana Code (20-32-2-10), a school in Indiana receiving a request for enrollment documentation shall send the records promptly to the requesting school. In addition, if a parent/guardian of a child who has enrolled in an accredited nonpublic school is in breach of a contract that conditions release of student records on the payment of outstanding tuition and other fees, the accredited nonpublic school shall provide a requesting school sufficient verbal information to permit the requesting school to make an appropriate placement decision regarding the child.

PROCEDURE:

- Upon enrollment, a student's transcript is provided to the school from a parent/guardian or from another school the student was enrolled in.

PROCEDURES (CONT.)

2. A FWCS guidance coordinator or counselor will review the transcript, complete the diploma track checklist and align courses with accurate IDOE Course Codes. If the student is enrolling from a private school and a transcript was not provided; the coordinator or counselor will contact the private school to obtain a copy. If the private school is not able to provide transcripts, the coordinator or counselor shall contact the Advanced Placement and Dual Credit Curriculum Coordinator, and provide the following:
 - Student name
 - The name of the school the student is transferring from
 - The name of the person you spoke to at the school about the transcript
3. The guidance coordinator or counselor will provide the transcript with accurate IDOE Course Codes to the registrar to enter into PowerSchool.
4. The guidance coordinator or counselor will work with the parents to share the diploma track checklist to determine what grade the student should be enrolled in and the courses the student should take to be on track for the diploma of their choosing.



NORTHROP BRUINS

ATHLETICS

ATHLETICS AT FWCS

ATHLETIC PARTICIPATION

To be eligible scholastically, a student must have received passing grades at the end of his or her last grade period in the following manner:

Passing five high school credited courses each grading period. College course grades will count at the completion of the course.

TEST SCORES

- Division I uses a sliding scale to match test scores and core grade point averages. The sliding scale for those requirements is shown on the NCAA Eligibility Center's website (www.eligibilitycenter.org).
- Division II requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

GRADE-POINT AVERAGE

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Use the list as a guide.
- Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core grade-point average. Use the list as a guide.
- Division I core grade-point-average requirements are listed on the sliding scale on the NCAA Eligibility Center's website (www.eligibilitycenter.org).
- The Division II core grade-point-average requirement is a minimum of 2.000.
- Remember, the NCAA grade-point average is calculated using NCAA core courses only.





ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification account with the NCAA Eligibility Center at eligibilitycenter.org. If you want to play Division III sports or you aren't sure where you want to compete, start by creating a Profile Page account at eligibilitycenter.org.

ACADEMIC REQUIREMENTS

To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an SAT or ACT score that matches your core-course GPA.

CORE COURSES

Only courses that appear on your high school's list of NCAA core courses will count toward the 16 core-course requirement; visit eligibilitycenter.org/courselist for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

DIVISION I

Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (including one year of lab, if offered)	ADDITIONAL (English, math or natural/physical science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

DIVISION II

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (including one year of lab, if offered)	ADDITIONAL (English, math or natural/physical science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

GRADE-POINT AVERAGE

The NCAA Eligibility Center calculates your [grade-point average](#) based only on the grades you earn in NCAA-approved core courses.

- DI requires a minimum 2.3 GPA.
- DII requires a minimum 2.2 GPA.

SLIDING SCALE

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about sliding scales at ncaa.org/test-scores.

TEST SCORES

You may take the SAT or ACT an unlimited number of times before you enroll full time in college. Every time you register for the SAT or ACT, use the NCAA Eligibility Center code 9999 to send your scores directly to us from the testing agency. We accept official scores only from the SAT or ACT, and cannot use scores shown on your high school transcript. If you take either test more than once, the best subscore from different tests are used to give you the best possible score. More information regarding the impact of COVID-19 and test scores can be found at on.ncaa.com/COVID19_Fall_B.



HIGH SCHOOL TIMELINE

9TH GRADE



- Start planning now! Take the right courses and earn the best grades possible.

- Find your high school's list of NCAA-approved core courses at eligibilitycenter.org/courselist.
- Sign up for a free Profile Page account at eligibilitycenter.org for information on NCAA requirements.

10TH GRADE



- If you fall behind academically, ask your counselor for help finding approved courses you can take.

- Register for a Profile Page or Certification account with the NCAA Eligibility Center at eligibilitycenter.org.
- Monitor your Eligibility Center account for next steps.
- At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your Eligibility Center account.

11TH GRADE



- Check with your counselor to make sure you are on track to complete the required number of NCAA-approved courses and graduate on time with your class.

- Take the SAT/ACT and submit your scores to the NCAA Eligibility Center using code **9999**.
- Ensure your sports participation information is correct in your Eligibility Center account.
- At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your Eligibility Center account.

12TH GRADE



- Complete your final NCAA-approved core courses as you prepare for graduation.

- Take the SAT/ACT again, if necessary, and submit your scores to the NCAA Eligibility Center using code **9999**.
- Request your final amateurism certification beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at eligibilitycenter.org.
- After you graduate, ask your counselor to upload your final official transcript with proof of graduation to your Eligibility Center account.
- *Reminder:* Only students on an NCAA Division I or II school's Institutional request list will receive a certification.

How to plan your high school courses to meet the 16 core-course requirement:

$$4 \times 4 = 16$$

9TH GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

10TH GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

11TH GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

12TH GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or additional

4 CORE COURSES

Search Frequently Asked Questions: ncaa.org/studentfaq

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December 2020
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PHYSICAL EDUCATION CREDIT

The Indiana State Board of Education has provided flexibility to adapt the high school physical education requirements for students who demonstrate proficiency through other means.

PROGRAM REQUIREMENTS

- One (1) PE credit will be given for a complete season of:
 - Any FWCS sponsored IHSA sanctioned sport
 - Marching Band
 - Winter Guard
 - Competitive Show Choir
 - Dance TeamAll of these activities are within the framework of lifetime physical activities and fitness.
- You can earn one (1) credit in PE II for any of the above activities.
- Retroactive credits will NOT be awarded. It is your responsibility to get the form completed and turned in after completing the activity.
- A complete season is defined as first practice to final event. The student must remain on the active roster the entire season or duration of the activity.
- Disciplinary suspensions from the team or activity may result in forfeiture of credit as determined by the coach, director or sponsor. At the conclusion of the season or activity, the coach, director or sponsor will validate completion on the PE Waiver Form.

PROGRAM REQUIREMENTS (CONT.)

- The form must be completed and turned into the guidance office within two weeks of the end of the season or activity.
- A grade of 'A' will be granted to all students who meet the requirements for the alternative credit.
- The PE II credits must be earned by the end of the sophomore year.

YOU MUST DO THE FOLLOWING

- The PE Waiver Form must be completed by you and the coach, director or sponsor at the completion of the season or activity.
- You must turn the PE Waiver Form into the guidance office within two (2) weeks of the completion of the season or activity.
- Make sure PE II credits are completed before the end of the sophomore year.





FORT WAYNE COMMUNITY SCHOOLS
PE II Waiver Completion

This form must be signed by the coach, sponsor or director and by the student at the end of the season and returned to guidance office no later the two (2) weeks after the season has ended. The PE Waiver credit MUST be earned by the end of the sophomore year.

Name _____ Grade _____ ID# _____

This student has earned one (1) PE credit in (check one) PE II by participating in one of the following approved extra-curricular activities:

Fall Semester

- ☐ Cross Country
- ☐ Cheerleading (fall)
- ☐ Football
- ☐ Golf (girls)
- ☐ Marching Band
- ☐ ROTC
- ☐ Soccer
- ☐ Tennis (boys)
- ☐ Volleyball

Winter/Spring Semester

- ☐ Baseball
- ☐ Basketball
- ☐ Cheerleading (winter)
- ☐ Competitive Show Choir
- ☐ Dance team
- ☐ Golf (boys)
- ☐ Softball
- ☐ Swimming and Diving
- ☐ Tennis (girls)
- ☐ Track and Field
- ☐ Wrestling
- ☐ Winter Drum Line
- ☐ Winter Guard

This PE credit was earned during the _____ school year.

This student met the requirement to earn his/her alternative PE II credit by:

1. Completing and actively participating in the entire season for the sport or activity checked above, and
2. By not having any disciplinary suspensions from the sport or activity checked above.

Coach/Sponsor Signature Date Student Signature Date

For Guidance Use Only:

Date Completed Form Received: _____ By: _____

Credit Earned: Yes ☐ No ☐

Date Placed on Transcript: _____ By: _____

Registrar: _____ Date: _____

Student Request for College Credit

Student Name:		High School:	
College Course Name:		College Course #:	
University or College Name:		Days & Time of College Class:	
Semester 1 or 2 Both Semesters 1 & 2		School Year:	

- I understand that this course must be approved by my guidance counselor.
- I must submit an official college course transcript to the registrar at my high school for this course to be counted on my transcript.
- I understand that if the course for which I am requesting credit is no longer available, I will not register for an alternative course without submitting a new request form.

Student's Signature	Date
Parent/Guardian's Signature	Date
Guidance Coordinator Signature	Date
Principal Signature	Date
Office of School Leadership Director Signature	Date

REQUESTS FOR COLLEGE CREDIT MUST BE SIGNED OFF BY THE SCHOOL AND THE OFFICE OF SCHOOL LEADERSHIP PRIOR TO THE STUDENT ENROLLING IN A COLLEGE COURSE.

****FORM MUST BE RECEIVED PRIOR TO REGISTERING FOR THE CLASS****

If the course is NOT approved for credit to be transferred back to the high school, the student may take the course if he/she has completed or will complete all requirements of the Core 40 diploma. The course will NOT count on the HS transcript. ***If college course is outside of normal school hours, students are required to attend a full day at their home school.***

Below For FWCS Staff Only

✓	Please complete each step below
	Student, parent/guardian, and guidance counselor coordinator must sign the request form.
	Course requested is NOT offered on student's school site as a dual credit course
	Scanned copy of form sent via email to the Office of School Leadership for approval – form will be returned with a recommendation for approval (a course number will be included if approved for credit). Students can be enrolled in courses with active course numbers and no further action is taken.
	The signed agreement is returned to the high school guidance counselor and placed on file.
	Reviewed (Initialed & Dated) by Director of Curriculum, Assessment & Instruction.

FINAL APPROVAL

☐ Approve ☐ Disapprove

Signature – Chief Academic Officer

Date

☐ Approve ☐ Disapprove

Signature – Chief Office of School Leadership

Date

PowerSchool Course Number:	PowerSchool Course Name:



CHIEF OF SCHOOL LEADERSHIP
1200 South Clinton Street • Fort Wayne, IN 46802

Pass/Fail Request

By completing this form, students are requesting to take a class as pass/fail. Requests for pass/fail grading option must be received on or before the end of the first two weeks of the semester. The Principal and Chief of School Leadership and/or Level Director will review requests on a case-by-case basis. Courses that apply to the Core 40 diploma or higher and courses that apply to parts two and three of the new graduation pathway options will not be allowed a pass/fail option. Classes taken as pass/fail will not be calculated into the student's grade point average.

Date		
Student Name		
High School		
Course Requested to be Taken Pass/Fail		
Teacher Name		
I(We) confirm that the course requested for pass/fail does not affect the student's application for the Core 40 diploma or higher.		
Student Signature		Date
Parent Signature		Date
Guidance Coordinator Signature		Date
Principal or Designee's Signature		Date
Chief of School Leadership Signature or Level Director		Date

This form is to remain on file in the guidance department office, and a copy of this form is to be placed in the student's permanent file.



CURRICULUM, ASSESSMENT and INSTRUCTION
1200 South Clinton Street • Fort Wayne, IN 46802

Request for High School Credit for Middle School Course

Date of Request: _____ Student Name: _____

Middle School Courses for which high school credit is requested:

Semester and School Year: _____

Middle School where courses were taken: _____

Student Signature

Date:

Parent/Guardian Signature

Date:

Return this form to your high school guidance department for processing. Thank you.

For office use only

Date Received: _____

Received by: _____

Current high school: _____ Verification of coursework: _____ Date
of placement on high school transcript: _____ Registrar's initials: _____

Original form should be placed in student's file. Copy to parent/guardian.



Nondiscrimination Policy and Grievance Procedure

FWCS does not tolerate the unjust or prejudicial treatment of any individual or group's actual or perceived race, color or ethnic group, religion or religious practice, national origin, sex, gender identity, sexual orientation, political affiliation, age, marital status, military status, veteran status, disability or any other basis prohibited by state or federal law. The immediate remedy for any act of discrimination shall be to end it, treat the individual equitably, and, as much as practically possible, to eradicate any effects of discrimination. Discipline should be imposed where appropriate.

Grievance Procedure

1. **Coordinators.** Coordinators oversee the implementation of this procedure. FWCS designates the following employees as the coordinators of the Americans with Disabilities Act, Titles VI and VII of the Civil Rights Act of 1964, and Title IX of the Education Amendments Act of 1972:
 - Austin Couch, Compliance Manager (Austin.Couch@fwcs.k12.in.us)
 - Marcia Simmons, Compliance Coordinator (Marcia.Simmons@fwcs.k12.in.us)Anyone may contact Mr. Couch or Ms. Simmons at:
1200 S. Clinton St.
Fort Wayne, IN 46802
(260) 467-2135
 - Tim Captain, Director of Student, Family and Support Services (Tim.Captain@fwcs.k12.in.us) serves at the coordinator for Section 504 of the Rehabilitation Act of 1973.
Anyone may contact Mr. Captain at
230 E Douglas Ave
Fort Wayne, IN 46802
(260) 467-2120
 - School principals serve as the coordinators for civil rights grievances related to students in their buildings.
2. **Reporting.** The employee, student or patron alleging discrimination shall notify the appropriate coordinator described above (building level or corporation level). Complaints do not need to be made in writing and may be made anonymously, but coordinators will be better able to address the violation if they are provided specific information about the alleged act or omission and the parties involved. FWCS will take care to keep the identity of the complainant confidential if that is his or her request, but may not be able to guarantee anonymity. Complaints may be submitted online via Let's Talk and will be assigned to the appropriate coordinator.
3. **Investigation.** The coordinator shall initiate investigation of the circumstances of the complaint within seven calendar days of the receipt of the written complaint. The coordinator shall render a decision within fourteen calendar days of the receipt of the written complaint. The decision shall be in writing to the complainant if the complaint was received in writing. Reasonable extensions of the deadlines in this Procedure shall be allowed upon request by either party.



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www.fortwayneschools.org