Introduction

The teachers, department heads, guidance department, and administration of New Castle High School to assist students in planning their schedules for the next school year have developed this guide. Its purpose is to provide information about the approximately 175 courses, which will be offered at New Castle High School for the 2023-24 school year. We hope this guide will be beneficial in assisting our students in setting plans for their success at New Castle High School and for their lives beyond.

The school will collect appropriate fees from students to offset the cost of materials, textbooks and workbooks. For the purpose of planning an average student book bill for one year is $150.00, payable in two semester payments ($75.00 each).

Dr. Matthew Shoemaker, Superintendent	**New Castle Community Schools**
Mr. Kirk Amman, Principal	**New Castle High School**
Mrs. Karen Bimber, Director of Guidance	**New Castle High School**

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NON-DISCRIMINATION POLICY

It is the policy of the New Castle Community School Corporation not to discriminate on the basis of race, color, religion, sex, national origin, age, or disability in its educational programs or employment policies as required by the Indiana Civil Rights Act (I.C. 22-9-1), I.C. 20-8.1-2, Titles VI and VII of the Civil Rights Act of 1964, the Equal Pay Act of 1973, Title IX (1972 Education Amendments), Section 504 of the Rehabilitation Act of 1973, and the Individuals with Disabilities Education Act.

Inquiries regarding compliance with Title II, VI, VII and IX, Section 504 or the Americans with Disabilities Act should be directed to Mrs. Sherri Bergum, Assistant Superintendent for Elementary Education & Human Resources, of the New Castle Community School Corporation, 322 Elliott Avenue, New Castle, Indiana 47362, (765) 521-7201.

A copy of the non-discrimination policy and grievance procedure is available upon request.

GENERAL INFORMATION

Certain educational terms are present throughout this booklet. Use the following definitions of terms as a guide to understanding the information.

CREDIT: **is one point toward graduation and is earned by receiving a passing grade for one semester's work in a particular subject.**

UNIT: **represents one year successful study in a subject which meets five classroom periods per week for 36 weeks.**

REQUIRED COURSE: **is one which a student takes and must pass according to the regulations of the State of Indiana or the local school system. If a required course is failed at the end of a semester, it must be repeated and passed before the student can be graduated.**

ELECTIVE COURSE: **is applied to a course which the student chooses in addition to the required courses, to fill out his normal subject load each year.**

NUMBERING SYSTEM FOR THE COURSE: **the first digit in the number of the course indicates when it can be first taken; the second digit indicates semester. Thus, Current Problems 11 means a freshman can take the course and it is a first semester course.**

Indiana General High School Diploma

The completion of Core 40 is an Indiana graduation requirement. Indiana's Core 40 curriculum provides the academic foundation all students need to succeed in college and the workforce.

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 students 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.

Course and Credit Requirements (Class of 2016 & Beyond)

English/Language Arts	**8 credits**
	Credits must include literature, composition and speech
Mathematics	**4 credits**
	2 credits: Algebra I or Integrated Mathematics I 2 credits: Any math course ***General diploma students are required to earn 2 credits in a Math or a Quantitative Reasoning (QR) course during their junior or senior year. QR courses do not count as math credits.***
Science	**4 credits**
	2 credits: Biology I 2 credits: Any science course ***At least one credit must be from a Physical Science or Earth and Space Science course***
Social Studies	**4 credits**
	2 credits: U.S. History 1 credit: U.S. Government 1 credit: Any social studies course
Physical Education	**2 credits**
Health and Wellness	**1 credit**
College and Career Pathway Courses Selecting electives in a deliberate manner to take full advantage of college and career exploration and preparation opportunities	**3 credits**
Flex Credit	**5 credits**
	Flex Credits must come from one of the following: • Additional elective courses in a College and Career Pathway • Courses involving workplace learning such as Cooperative Education or Internship courses • High school/college dual credit courses • Additional courses in Language Arts, Social Studies, Mathematics, Science, World Languages or Fine Arts
Electives	**8 credits** Specifies the minimum number of electives required by the state. High school schedules provide time for many more elective credits during the high school years.

40 Total Credits Required

Schools may have additional local graduation requirements that apply to all students

(updated Dec 2011)

INDIANA CORE 40

Course and Credit Requirements	
English/ Language Arts	**8 credits** Including a balance literature, composition and speech.
Mathematics	**8 credits** 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II *Or complete Integrated Math series I, II, and III for 6 credits.* All students are required to take a math or quantitative reasoning course every year they are in high school.
Science	**6 credits** 2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
Social Studies	**6 credits** 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics 2 credits: World History/Civilization or Geography/History of the World
Directed Electives	**5 credits** World Languages Fine Arts Career/Technical
Physical Education	**2 credits**
Health and Wellness	**1 credit**
Electives*	**8 credits** (College & Career Pathway Recommended)
40 Total Credits Required	

Schools may have additional local graduation requirements that apply to all students

* Specifies the number of electives required by the state. High school schedules provide time for many more electives during the high school years. All students are strongly encouraged to complete a College & Career Pathway (selecting electives in a deliberate manner) to take full advantage of career exploration and preparation opportunities.

CORE 40 with Academic Honors *(minimum 47 credits)*

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

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following:
    A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
    B. Earn 6 verifiable transcript college credits in dual credit courses from priority course list
    C. Earn two of the following:
        1. A minimum of 3 verifiable transcript college credits from the priority course 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 combined score of 1750 or higher on the SAT critical reading, mathematics and writing sections and a minimum score of 530 on each
    E. Earn an ACT composite score of 26 or higher and complete written section
    F. Earn 4 credits in IB courses and take corresponding IB exams.

CORE 40 with Technical Honors *(minimum 47 credits)*

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

- Complete all requirements for Core 40.
- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
    1. Pathway designated industry-based certification or credential, or
    2. Pathway dual credits from the lists of priority courses resulting in 6 transcript college credits
- Earn a grade of "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following,
    A. Any one of the options (A - F) of the Core 40 with Academic Honors
    B. Earn the following scores or higher on Work Keys: Reading for Information – Level 6, Applied Mathematics – Level 6, and Locating Information-Level 5.
    C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
    D. Earn the following minimum score(s) on Compass: Algebra 66, Writing 70, Reading 80.

INDIANA CORE 40

Efectivo comenzando con los estudiantes que empezaron la preparatoria (high school) en 2012- 13 año escolar (clase de 2016).

Requisitos de Cursos y Créditos	
Inglés/ Artes y Letras	**8 créditos**
	Incluye un balance de literatura, composición y discurso.
Matemáticas	**6 créditos (en grados 9-12)**
	2 créditos: Algebra I 2 créditos: Geometría 2 créditos: Algebra II *O completar Matemáticas Integradas I, II, and III por 6 créditos.* *Los estudiantes tienen que tomar un curso de matemáticas o de inferencia cuantitativa cada año de la preparatoria (high school).*
Ciencia	**6 créditos**
	2 créditos: Biología I 2 créditos: Química I o Física I o Química-Física Integrada 2 créditos: cualquier curso de ciencia de Core 40
Estudios Sociales	**6 créditos**
	2 créditos: Historia de los Estados Unidos 1 crédito: Gobierno de los Estados Unidos 1 crédito: Economía 2 créditos: Historia Universal/Civilización o Geografía/Historia del Mundo
Electivos Dirigidos	**5 créditos**
	Idiomas del Mundo Bellas Artes Carrera o Educación Técnica
Educación Física	**2 créditos**
Salud y Cordura	**1 crédito**
Electivos*	**6 créditos** (Se recomiende cursos de College and Career Pathway)

40 Créditos Estatales Requeridos en Total

Es posible que las escuelas tengan requisitos locales adicionales para graduarse que apliquen a todos los estudiantes (no es un requisito para estudiantes con un IEP)

* Especifica el número de electivos requeridos por el Estado. Los horarios de la escuela preparatoria (high school) proveen tiempo para muchos más cursos electivos durante los años de high school. Se recomienda enfáticamente a todos los estudiantes que completen un College and Career Pathway (elegir cursos electivos con un propósito) para tomar ventaja completa de las oportunidades de exploración y preparación para carreras o la universidad.

***Resultados actualizados septiembre del 2017
***WorkKeys los títulos de evaluación actualizados, 2018

Para recibir el diploma con nombramiento de **Core 40 con Honores Académicos**, estudiantes tienen que:

- Cumplir con todos los requisitos para el Core 40.
- Obtener 2 créditos adicionales de matemáticas de Core 40.
- Obtener 6-8 créditos de idiomas del mundo de Core 40 (6 créditos en un idioma o 4 créditos, cada uno, en dos idiomas).
- Obtener 2 créditos de bellas artes de Core 40.
- Conseguir una marca "C" o mejor en cursos que cuentan hacia el diploma.
- Tener un promedio general de calificaciones (GPA) de "B" o mejor.
- Cumplir con uno de lo siguiente:
    A. Obtener 4 créditos en 2 cursos o más de nivel avanzado (AP) y tomar los exámenes AP correspondientes
    B. Obtener 6 créditos universitarios verificables en cursos de doble crédito de la lista aprobada de doble crédito.
    C. Obtener dos de lo siguiente:
        1. Un mínimo de 3 créditos universitarios verificables de la lista de cursos de aprobada de doble crédito.
        2. 2 créditos de cursos AP y de exámenes AP correspondientes,
        3. 2 créditos de cursos de nivel estándar en Bachillerato Internacional (IB) y de exámenes IB correspondientes
    D. Sacar una calificación combinada de 1250 o más alto en el examen SAT, un mínimo de 560 en matemáticas y un mínimo de 590 en la sección de lectura y escritura basada en evidencia.
    E. Sacar una calificación combinada de 26 o más alto en el examen ACT y completar la sección de escritura
    F. Obtener 4 créditos en cursos IB y tomar los exámenes IB correspondientes.

CORE 40 Con Honores Técnicos *(mínimo de 47 créditos)*

Para recibir el diploma con nombramientos de **Core 40 con Honores Técnicos**, los estudiantes tienen que:

- Cumplir con todos los requisitos para el Core 40.
- Obtener 6 créditos en cursos de preparación para la Universidad o Carrera en un *College & Career Pathway* aprobado por el Estado y uno de lo siguiente:
    1. Certificado o credencial basado en el sector y designado por Pathway, o
    2. Créditos duales Pathway de la lista de doble crédito aprobada, resultando en 6 créditos universitarios transcritos
- Obtener una calificación de "C" o mejor en los cursos que cuentan para el diploma
- Tener un promedio general de calificaciones (GPA) de "B" o mejor.
- Cumplir con uno de lo siguiente,

A. Cualquier de las opciones (A - F) del Core 40 con Honores Académicos
B. Obtener las siguientes calificaciones o mejor en WorkKeys: Documentos Workplace, Nivel 6, Matemáticas Aplicadas, Nivel 6; Alfabetización Grafica- Nivel 5. ***
C. Obtener por lo menos las siguientes calificaciones en Accuplacer: Escritura 80, Lectura 90, Matemáticas 75.
D. Obtener por lo menos las siguientes calificaciones en Compass: Algebra 66 , Escritura 70, Lectura 80.

Graduation Pathways Checklist

Student Name_____ Pathways Completed_____ Graduation Date _____

1) Indiana Diploma Designation

□ General □
Academic Honors

□ Core 40 □
Technical Honors

□ IB

Indicate which diploma credit & curricular requirements, including additional local requirements, student met.

2) Employability Skills

❒ Project-Based Learning Experience
❒ Service-Based Learning Experience
❒ Work-Based Learning Experience

Summary:

Validation:
❒ Student Work Product
❒ School validation

3) Postsecondary-Ready Competencies

❒ Academic or Technical Honors Diploma Designation
❒ ACT Eng: _____ (18*) Rdg: _____ (22*)
Math: _____ (22*) Science: _____ (23*)
❒ SAT ERW: _____ (480*) Math: _____ (530*)
❒ ASVAB (31 or above) AFQT Score: _____
❒ State- and Industry-recognized Credential or Certification:

_____

❒ Federally-recognized Apprenticeship

_____

❒ Career-Technical Education Concentrator
Pathway: _____
Course _____ Grade_____
Course _____ Grade_____
Course_____ Grade_____
Course_____ Grade_____
Course_____ Grade_____
Course _____ Grade_____
Avg. Grade_____ (*must be C avg. or above*)
❒ **AP/IB/Dual Credit/Cambridge International courses or CLEP Exams:
Course/Exam: _____
Grade_____
Course/Exam: _____
Grade_____
Course/Exam: _____
Grade _____
Avg. Grade _____ *(must be C avg. or above)*
❒ Locally Created Pathway _____
❒ Waiver (criteria/checklist p. 2)

**College-ready benchmarks set by the ACT and College Board*

Quick Reference

Diploma Requirements met: Yes
No
Employability Skills Demonstrated: Yes
No
Postsecondary-Readiness Met: Yes
No
Postsecondary-Readiness Waiver Criteria Met:

Graduation Pathways
Postsecondary-Readiness Competency WAIVER Criteria

Postsecondary Readiness Competency Waiver, IF:

❒ Student was unsuccessful in completing a postsecondary readiness competency by the end of the senior year & attempted to achieve at least 3 separate postsecondary readiness competencies; **or**

❒ Student transfers to a school during the senior year from a no accredited nonpublic school or an out-of-state school and attempted to achieve at least 1 postsecondary readiness competency but was unsuccessful.

Postsecondary-Readiness Competency Waiver Checklist

❒ Criteria 1: At least 3 postsecondary readiness competencies attempted by end of senior year.
❒ Criteria 2: GPA Requirement met
❒ Criteria 3: Attendance requirement met at 95%
❒ Criteria 4: Met all state & local requirements
(Students with an IEP aren't required to complete local requirements beyond state requirements).
❒ Criteria 5: Demonstrates postsecondary planning.

Criteria 1: At least 3 Postsecondary-Readiness Competencies attempted YES NO

Competency attempted; date or supporting data:

1) _____
2) _____
3) _____

Criteria 2: Avg. of "C" in 34 Required Credits

YES NO

	Sem 1:Grade-Pts	**Sem 2:Grade-Pts**
Eng 9	_____-_____	_____-_____
Eng 10	_____-_____	_____-_____
Eng 11	_____-_____	_____-_____
Eng 12	_____-_____	_____-_____
Algebra I	_____-_____	_____-_____
2nd Math	_____-_____	_____-_____
Biology I	_____-_____	_____-_____
2nd Science	_____-_____	_____-_____
US Hist.	_____-_____	_____-_____
Govt/SocSt	_____-_____	_____-_____
PE I and II	_____-_____	_____-_____
Health	_____-_____	

College & Career Pathway Courses: **6 credits**.

_____-_____ _____-_____ _____-_____
_____-_____ _____-_____ _____-_____

Flex Credits: **5 credits**

_____-_____ _____-_____ _____-_____
_____-_____ _____-_____

Waiver GPA = Total Points _____ / 34 = _____

Note that students must earn a minimum of 40 credits to earn a

Criteria 3: Attendance Requirement Met

YES **NO**

UA=Unexcused Absence(s) DE=Days Enrolled

Gr 9 UA_____DE_____ Total UA_____
Gr 10 UA_____DE_____ Total UA_____
Gr 11 UA_____DE_____ Total DE_____
Gr 12 UA_____DE_____ Rate: _____

Must be 95% Rate = 100 – (UA/DE x 100)

Criteria 4: State & Local Graduation Requirements Met

YES **NO**

Students with an IEP are not required to complete locally required credits beyond state credit

Criteria 5: Postsecondary Planning:

YES **NO**

❒ College Acceptance;
❒ Occupational Training Program Acceptance;
❒ Workforce Entry; OR
❒ Military Enlistment

_____

❒ Principal Approval

ATHLETIC ELIGIBILITY
IHSAA AND NEW CASTLE HIGH SCHOOL

The eligibility of all athletes must be certified by the principal of the school, in accordance with the rules of the IHSAA, the New Castle Community School Corporation, the New Castle High School Administration and the New Castle High School Athletic Staff.

Scholarship - To be eligible scholastically students must have received passing grades in at least six full credit subjects or the equivalent for the last grading period/semester and must be currently enrolled in six full credit courses. An athlete who is passing five courses at the end of a grading period may become eligible if they are passing six courses when mid-term grades are determined.

Athletic Physical, Consent for Participation - Previous to a student's first practice for any sport, he/she must have, on file in the school office for each year, a parent and physician's certificate of physical fitness signed by the parent/guardian and licensed physician.

Age - A student who is or shall be twenty (20) years of age prior to or on the scheduled date of the IHSAA State Finals in a sport shall be ineligible for interschool athletic competition in that sport; a student who is nineteen (19) years of age on the scheduled date of the IHSAA State Finals in a sport shall be eligible as to age for interschool athletic competition in that sport.

Amateurism - All athletes must be amateurs. Athletes are not to receive pay for playing, officiating or managing.

Conduct - Athletes, in and out of school, shall be such as (1) not to reflect discredit upon the school or (2) not to create a disruptive influence on the discipline, moral or educational environment in the school.

Trojan athletes are expected to conform to the directives of those in authority such as teachers, coaches, athletic directors and principals. For further information see the Trojan code.

Divisions I and II Initial-Eligibility Requirements

Core Courses

- **NCAA Divisions I and II require 16 core courses**. See the charts below.
- **Beginning August 1, 2016, NCAA Division I will require 10 core courses** to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become "locked in" at the start of the seventh semester and cannot be retaken for grade improvement.
  - *Beginning August 1, 2016, it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.*

Test Scores

- **Division I** uses a sliding scale to match test scores and core grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- **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). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- **Division I** students enrolling full time **before August 1, 2018,** should use Sliding Scale A to determine eligibility to receive athletics aid, practice and competition during the first year.
- **Division I** GPA required to receive athletics aid and practice **on or after August 1, 2018,** is 2.000-2.299 (corresponding test-score requirements are listed on Sliding Scale B on Page No. 2 of this sheet).
- **Division I** GPA required to be eligible for competition **on or after August 1, 2018,** is 2.300 (corresponding test-score requirements are listed on Sliding Scale B on Page No. 2 of this sheet).
- **The Division II** core GPA requirement is a minimum of 2.000.
- Remember, the NCAA GPA is calculated using NCAA core courses only.

DIVISION I 16 Core Courses	
4	years of English
3	years of mathematics (Algebra I or higher).
2	years of natural/physical science (1 year of lab if offered by high school).
1	year of additional English, mathematics or natural/physical science.
2	years of social science.
4	years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II 16 Core Courses	
3	years of English
2	years of mathematics (Algebra I or higher).
2	years of natural/physical science (1 year of lab if offered by high school).
3	year of additional English, mathematics or natural/physical science.
2	years of social science.
4	years of additional courses (from any area above, foreign language or comparative religion/philosophy).

Sliding Scale A *Use for Division I prior to August 1, 2016* NCAA DIVISION I SLIDING SCALE		
Core GPA	**SAT** **Verbal and Math ONLY**	**ACT Sum**
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

For more information, visit the NCAA Eligibility website at www.elgibilitycenter.org

Sliding Scale B *Use for Division I beginning August 1, 2016* NCAA DIVISION I SLIDING SCALE		
Core GPA	**SAT** **Verbal and Math ONLY**	**ACT Sum**
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	910	76
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	81
2.125	970	82
2.100	980	83
2.075	990	84
2.050	1000	85
2.025	1010	86
2.000	1020	86

NAIA ELIGIBILITY REGULATIONS

To be eligible to participate at an NAIA college, a freshman must meet two of the following three entry level requirements:

1. **Score 18 on the ACT or 860 total on the SAT (critical reading and math) at a single sitting, or**
2. **Achieve an overall high school grade-point average of 2.00 on a 4.00 scale, or**
3. **Graduate in the top half of his/her high school graduating class.**
4. **Potential athletes must register at www.PlayNAIA.org. The SAT must be sent directly to the NAIA by using the code of 9876.**

SCHEDULING

Each student has the responsibility to plan a realistic educational program for the following year. The student may study course descriptions, make use of instructors' and counselors' recommendations, and discuss plans with his/her parents/guardians. All students meet with their counselors for at least one conference regarding their educational program.

Each student should give serious consideration to this matter before deciding about specific courses because he/she will be expected to remain in the courses selected. School administrators employ instructors and build a schedule based upon students' final selections. Therefore, *students and parents will not be allowed to request course changes after mid-May prior to the year the courses will be taken.* Exceptions to this policy would require a parent meeting with the principal, and the principal's permission.

School personnel may initiate a change in the student's program if he/she fails a course and the department rule requires that he/she be dropped; if an instructor and/or counselor recommends a different course level; if it is necessary to "balance" classes; if a doctor and/or nurse certifies that his/her physical condition warrants a change or if an error has been made in his/her program.

HOW TO USE THIS GUIDE

In this guide the students will find the number, the title, and a brief description of each of the courses offered at New Castle High School.

In addition, the length of each course and the credit allotted to each course are shown.

Prerequisites are listed for numerous courses. Prerequisites are conditions which must be met before enrollment, and they have been established to provide the maximum assurance that the course will be completed satisfactorily.

The student is urged to read the descriptions, consider the recommendations made by current instructors and counselors, discuss possible selections with his/her parents, and be prepared to determine final course choices when he/she meets with the counselor at enrollment time.

AGRICULTURE, FOOD AND NATURAL RESOURCES

COURSES	CREDIT	YEAR OFFERED
7887/88 Intro to Agri, Food and Nat'l Resources	2	8, 9, 10, 11
7889-90 Principles of Agriculture	2	9, 10, 11
7891/92 Natural Resources	2	9, 10, 11, 12
7893/94 Horticulture Science	2	10, 11, 12
7895/96 Green & Soilless Prod	2	11, 12
7897/98 Sustainable Energy Alternatives	2	11, 12
7991/92 Plant & Soil Science	2	11, 12
7995/96 Adv Life Science, Plants, Soil	2	11, 12

7887-88 Intro to Agriculture, Food, and Natural Resources
Year, 2 credits
Prerequisite: None

Introduction to Agriculture, Food and Natural Resources is a two semester course that is highly recommended as a prerequisite to and as a foundation for all other agricultural classes. Through hands-on learning activities, students are encouraged to investigate areas of agriculture. Students are 249 Indiana Department of Education 2021-2022 High School Course Titles and Descriptions introduced to the following areas of agriculture: animal science, plant and soil science, food science, horticultural science, agricultural business management, natural resources, agriculture power, structure, and technology, careers in agriculture, leadership, and supervised agricultural experience. An activity and project-based approach is used along with team building to enhance the effectiveness of the student learning activities. (St # 5056)

- Recommended Grade: 9
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 or 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

7889-90 Principles of Agriculture
Year, 2 credits
Prerequisite: None

Principles of Agriculture is a two semester course that will cover the diversity of the agricultural industry and agribusiness concepts. Students will develop an understanding of the role of agriculture in the United States and globally. Students will explore Agriculture, Food, and Natural Resource (AFNR) systems related to the production of food, fiber and fuel and the associated health, safety and environmental management systems. Topics covered in the course range from animals, plants, food, natural resources, ag power, structures and technology, and agribusiness. Participation in FFA and Supervised Agricultural Experiences (SAE) will be an integral part of this course in order to develop leadership and career ready skills. (St #7117)

Principles of Agriculture – continued:
•Recommended Grade(s): 9, 10, 11
•Required Prerequisites: none
•Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
•Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
•Counts as a directed elective or elective credits for all diplomas

7891-92 Natural Resources
Year, 2 credits
Prerequisite: None

Natural Resources is a two semester course that provides students with a background in environmental science and conservation. Course work includes hands-on learning activities that encourage students to investigate areas of environmental concern. Students are introduced to the following areas of natural resources: soils, the water cycle, air quality, outdoor recreation, forestry, minerals, interrelationships between humans and natural systems, wetlands, wildlife, safety, careers, leadership, and supervised agricultural experience programs.
•Recommended Grade(s): 10, 11, 12
•Required Prerequisites: Principles of Agriculture*
•Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources •Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
•Counts as an elective or directed elective for all diplomas.
•Fulfills a science requirement for all diplomas.
•*Principles course is not required until 2024-25 school year because this course is included in Perkins V pathways. (St # 5180)

7893-94 Horticulture Science
Year, 2 credits
Prerequisite: Principles of Agriculture

Horticulture Science is a two semester course that provides students with a background in the field of horticulture. Coursework includes hands-on activities that encourage students to investigate areas of horticulture as it relates to the biology and technology involved in the production, processing, and marketing of horticultural plants and products. Students are introduced to the following areas of horticulture science: reproduction and propagation of plants, plant growth, and growth-media, management practices for field and greenhouse production, marketing concepts, production of plants of local interest, greenhouse management, floral design, and pest management. Students participate in a variety of activities including extensive laboratory work usually in a school greenhouse. (St # 5132)
•Recommended Grade(s): 10, 11, 12
•Required Prerequisites: Principles of Agriculture*
•Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
•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 Life Science or Physical Science requirement for the General Diploma

7895-96 Greenhouse and Soilless Production
Year, 2 credits
Prerequisite: Principles of Agriculture

Greenhouse and Soilless Production is a two semester course that provides an overview of structural designs and uses of enclosed structures (greenhouses) to grow various plants and food. The course will focus on discussing different types of enclosed structures, management systems, and growing systems used to produce plants and food. The course will also present an overview of soilless growing systems such as hydroponics, aquaponics, aeroponics and fogponics. Students will utilize the school greenhouse as part of this course. (St # 7114)
•Recommended Grade(s): 10, 11, 12
•Required Prerequisites: Principles of Agriculture High School Course Titles and Descriptions 2022-2023 245
•Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources •Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
•Counts as a directed elective or elective credits for all diplomas

7991-92 Plant and Soil Science
Year, 2 credits
Prerequisite: Principles of Agriculture

Plant and Soil Science a two semester course that provides students with opportunities to participate in a variety of activities including laboratory and field work. Coursework includes hands-on learning activities that encourage students to investigate areas of plant and soil science. Students are introduced to the following areas of plant and soil science: plant growth, reproduction and propagation, photosynthesis and respiration, diseases and pests of plants and their management, biotechnology, the basic components and types of soil, soil tillage, and conservation. (St # 5170)
● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Agriculture*
● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
● Counts as a directed elective or elective for all diplomas
● fulfills a science course requirement for all diplomas
● fulfills a Physical Science requirement for the general diploma
● *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the Class of 2025 and beyond must complete the course to earn concentrator status.

7995-96 Advanced Life Science, Plants and Soils
Year, 2 credits
Prerequisite: Principles of Agriculture

Advanced Life Science: Plants and Soils is a two semester course that provides students with opportunities to participate in a variety of activities including laboratory work. Students study concepts, principles, and theories associated with plants and soils. Knowledge gained enables them to better understand the workings of agricultural and horticultural practices. They recognize how plants are classified, grow, function, and reproduce. Students explore plant genetics and the use of plants by humans. They examine plant evolution and the role of plants in ecology. Students investigate, through laboratories and fieldwork, how plants function and how soil influences plant life. (St # 5074)

● Recommended Grade(s): 11, 12
● Required Prerequisites: Principles of Agriculture*
● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources; Plant and Soil Science; Biology; Chemistry
● fulfills a science requirement for all diplomas
● Counts as a quantitative reasoning course
● Counts as an elective or directed elective for all diplomas.
● *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the Class of 2025 and beyond must complete the course to earn concentrator status.

7897-98 Sustainable Energy Alternatives
Year, 2 credits
Prerequisite: Principles of Agriculture

Sustainable Energy Alternatives broadens a student's understanding of environmentally friendly energies. In this course students will use a combination of classroom, laboratory, and field experiences to analyze, critique, and design alternative energy systems. Class content and activities center on renewability and sustainability for our planet. Topics covered in this course include the following types of alternative energies: solar, wind, geothermal, biomass and emerging technologies. Leadership development, supervised agricultural experiences, and career exploration opportunities are explored in the field. Sustainable energy is also included. (St # 5229)

● Recommended Grade(s): 11, 12
● Required Prerequisites: Principles of Agriculture*
● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
● Fulfills a science course requirement for all diplomas ● Counts as a directed elective or elective for all diplomas
● *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the class of 2025 and beyond must complete the course to earn Concentrator Status.

Landscape and Turf Management
Year, 2 credits
Prerequisite: Principles of Agriculture

Landscape and Turf Management is a two-semester course that provides the student with an overview of the many career opportunities in the diverse field of landscape and turf management. Students are introduced to the procedures used in the planning and design of a landscape using current technology practices, the principles and procedures involved with landscape construction, the determination of maintenance schedules, communications, and management skills necessary in landscaping operations, and the care and use of equipment utilized by landscapers. Upon completion of the program, students have the opportunity to become Indiana Landscape Industry Certified through a state approved program. (St # 7115)
● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Agriculture ● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
● Counts as a directed elective or elective credits for all diplomas

Agribusiness Capstone (Coming 2024-25)
Agribusiness Management Capstone course is a two semester course that introduces students to the Principles of agribusiness management and leadership from a local and global perspective, with the utilization of technology. The course will help students build a strong knowledge base of the agribusiness industry as they study agribusiness types, communications, agricultural law, leadership, and teamwork, ethics, and agricultural economics. Additionally, students will understand the role of selling in the agricultural economy, stressing the points and terminology necessary in today's agriculture. Students will demonstrate principles and techniques for planning, development, application and management of agribusiness systems through project-based learning and supervised agriculture experience (work-based learning) programs. (St #7238)
● Recommended Grade(s): 11, 12
● Required Prerequisites: Any Agriculture Concentrator Sequence
● Recommended Prerequisites: none ● Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits max
● Counts as a directed elective or elective for all diplomas
● Counts as a quantitative reasoning course

Horticulture Capstone (Coming 2024-25)
The Horticulture Capstone course builds upon the knowledge and skills developed in the Principles, Horticultural Science, and Greenhouse and Soilless Production courses by developing advanced skills that students can apply to the field. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience. (St # 7232)
● Recommended Grade(s): 11, 12
● Required Prerequisites: Principles of Agriculture; Horticultural Science; Greenhouse and Soilless Production
● Recommended Prerequisites: none
● Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits max
● Counts as a directed elective or elective credits for all diplomas
● Counts as a science credit

Landscape Management Capstone (Coming 2024-25)
The Landscape Capstone course builds upon the knowledge and skills developed in the Principles, Horticultural Science and Landscape and Turf Management courses by developing advanced skills that students can apply to the field. As a capstone course, students should have the opportunity to apply their knowledge and use skills through an intensive work-based learning experience. (St # 7234)
● Recommended Grade(s): 11, 12
● Required Prerequisites: Principles of Agriculture; Horticultural Science; Landscape and Turf Management ● Recommended Prerequisites: none
● Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits max
● Counts as a directed elective or elective credits for all diplomas
● Counts as a quantitative reasoning course

ART

COURSES

	CREDIT	YEAR OFFERED			
1201 / 02 Intro to 2-D and 3-D Art	**2**	**9**	**10**	**11**	**12**
1215 / 16 Advanced 2/D-3/D Art	**2**		**10**	**11**	**12**

1201 INTRODUCTION TO 2 DIMENSIONAL ART: LEV EL 1
1 Semester, 1 credit
Prerequisite: None

Students taking Introduction to Two-Dimensional Art engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works.

Additionally, students: (1) create two-dimensional works of art, (2) reflect upon the outcomes of those experiences, (3) explore historical connections (4) write about the process, (5) make presentations about their progress at regular intervals, (6) work individually and in groups, (7) find direct correlation to other disciplines, and (8) explore career options in visual art. Students also identify ways to utilize and support art museums, galleries, studios, and community resources. (St # 4000)

1202 INTRODUCTION TO 3 DIMENSIONAL ART: LEVEL 2
1 semester, 1 credit

Students taking Introduction to Three-Dimensional Art engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works.

Additionally, students (1) create three-dimensional works of art, (2) reflect upon the outcomes of those experiences, (3) explore historical connections (4) write about the process, (5) make presentations about their progress at regular intervals, (6) work individually and in groups, (7) find direct correlation to other disciplines, and (8) explore career options in visual art. Students also identify ways to utilize and support art museums, galleries, studios, and community resources. (St # 4002)

1215
Advanced Two Dimensional Art
1 semester, 1 credit

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 83 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 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,
Advanced Two (2) Dimensional Art continued:
studios, and community resources.
● Recommended Grade: 12, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Introduction to Two-Dimensional Art (L) ● Credits: 1 semester course, 1 credit per semester.
● Counts as a directed elective or elective for all diplomas
● fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma Course (St # 4004)

1216
Advanced Three Dimensional Art
1 semester, 1 credit

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.
● Recommended Grade: 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Introduction to Two-Dimensional Art (L), Introduction to Three-Dimensional Art (L 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

BUSINESS/COMMUNICATION

COURSES

	CREDI	YEAR OFFERED
2903/04 Principles of Business Mgt.	**2**	**9 10 11 12**
2495-96 Management Fundamentals	**2**	**10 11 12**
2497-98 Accounting Fundamentals	**2**	**11 12**
2223-24 Advanced Accounting	**2**	**11 12**
2235/36 Introduction to Communications	**2**	**10 11 12**
2241/42 Principles of Broadcasting	**2**	**11 12**
2321 Personal Finance Responsibility	**1**	**10 11 12**

2903/04 Principles of Business Management
Year, 2 credits
Prerequisite: Introduction to Business

Principles of Business Management focuses on the roles and responsibilities of managers as well as opportunities and challenges of ethically managing a business in the free-enterprise system. Students will attain an understanding of management, team building, leadership, problem-solving steps and processes that contribute to the achievement of organizational goals. The management of human and financial resources is emphasized (St # 4562)
● Recommended Grade: 10, 11, 12

● Counts as a directed elective or elective for all diplomas

2495-96 Management Fundamentals
Year, 2 credits
Prerequisite: Principles of Business

Management Fundamentals describes the functions of managers, including the management of activities and personnel. Describes the judicial system and the nature and sources of law affecting business. Studies contracts, sales contracts with emphasis on Uniform Commercial Code Applications, remedies for breach of contract and tort liabilities. Examines legal aspects of property ownership, structures of business ownership, and agency relationships. (St # 7143)
•Recommended Grade(s): 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

2497-98 Accounting Fundamentals
Year, 2 credits
Prerequisite: Principles of Business Management

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. (St # 4524)
•Recommended Grade(s): 10, 11, 12
•Required Prerequisites: Principles of Business Management
•Recommended Prerequisites: none
•Counts as a directed elective or elective all diplomas
•Formerly Introduction to Accounting

2223-24 Advanced Accounting
Year, 2 credits
Prerequisite: Principles of Business Management; Accounting Fundamentals

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. (St # 4522)
● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Business Management; Accounting Fundamentals
● Recommended Prerequisites: none
● Counts as a quantitative reasoning course
● Counts as a directed elective or elective for all diplomas

2235/36 Introduction to Communications
Year, 2 credits
Prerequisite: None

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, identifying sources of income, savings, and investing; understand banking, budgeting, record-keeping and managing risk, insurance and credit card debt. A project based approach and applications through authentic settings such as work based observations and service learning experiences are appropriate. Direct, concrete applications of mathematics proficiencies in projects are encouraged. (St # 4790)

- Recommended Grade: 10, 11, 12
- Counts as a directed elective or elective for all diplomas
- Qualifies as a quantitative reasoning course

2241-42 Principles of Broadcasting
Year, 2 credits
Prerequisite: None

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. (St # 7139)

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

2951-52 Business Office Communications
Year, 2 credits
Prerequisite: Principles of Business Operation and Technology

The Business Office Communications course emphasizes the analysis of communication to direct the choice of oral and written methods and techniques. It includes practice in writing a variety of messages used to communicate in business and industry with an emphasis on the potential impact of the message on the receiver as a basis for planning and delivering effective business communications. Through projects and the development of messages students will develop their knowledge and skills for the use of Microsoft Word and Microsoft PowerPoint. (St # 7144)

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Business Operations and Technology
- Recommended Prerequisites: none
- Counts as a directed elective or elective for all diplomas

2321 Personal Financial Responsibility
1 semester, 1 credit

Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals; identify sources of income, savings, and investing; understand banking, budgeting, record-keeping and managing risk, insurance and credit card debt. A project-based approach and applications through authentic settings such as work-based observations and service learning experiences are appropriate. Direct, concrete applications of mathematics proficiencies in projects are encouraged. (St # 4540)

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester, 1 credit maximum
- Counts as a quantitative reasoning course
- Counts as a directed elective or elective for all diplomas

Accounting Capstone (Coming 2024-25)
The Accounting Capstone course will emphasize Managerial Accounting concepts and Income Tax Accounting for individuals and sole proprietorships. Topics include general versus cost accounting systems, cost behavior, cost-volume profit analysis, budgeting, standard cost systems, responsibility accounting, incremental analysis, and capital investment analysis. Offers an overview of federal and state income tax law for individuals including taxable income, capital gains and losses, adjustments, standard and itemized deductions, tax credits and appropriate tax forms. When offered for multiple credits per semester, the Accounting Capstone may be used to provide students the opportunity to participate in an intensive work-based learning experience and/or to complete additional coursework in using spreadsheets to solve accounting cases and to complete a postsecondary credential from ITCC or VU. (St # 7252)

- Recommended Grade(s): 11, 12
- Required Prerequisites: Principles of Business Management; Accounting Fundamentals; Advanced Accounting
- 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

Business Management Capstone (Coming 2024-25)
The Business Management Capstone is designed to provide any student with the Business Management skills necessary to run their own business or to serve in upper level management. Students will explore Management Theory, Accounting, and Business Law. The Business Management Capstone can be used with any career pathway except Business Administration. Completion of the course may allow students the opportunity to earn a CT or TC through ITCC. (St # 7201)

- Recommended Grade(s): 11, 12

● Required Prerequisites: Any CTE Business Concentrator Sequence except Business Administration
● 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
● Recommended Capstone course for Entrepreneurship, Insurance, and Marketing Programs of Study 261 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024

Information Technology

COURSES		CREDIT	YEARS OFFERED
2485/86	**Principles of Computing**	2	9 10 11 12
2925/26	**IT Fundamentals**	**2**	**10 11 12**
2491/92	**Networking Fundamentals**	**2**	**11 12**
5270/71	**Graphic Design and Layout**	**2**	**9 10 11 12**
2921/22	**Cybersecurity Fundamentals**	**2**	**10 11 12**
2927/28	**Networking & Cybersecurity**	**2**	**10 11 12**
2923/24	**Advanced Cybersecurity**	**2**	**11 12**

2485/86 Principles of Computing
Year, 2 credits

0460 (7183) Principles of Computing PRIN COMP INFO Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. The course will begin by exploring trends of computing and the necessary skills to implement information systems. Topics include operating systems, database technology, cybersecurity, cloud implementations and other concepts associated with applying the principles of good information management to the organization. Students will also have the opportunity to utilize basic programming skills to develop scripts designed to solve problems. Students will learn about algorithms, logic development and flowcharting. (St # 7183)
•Recommended Grade(s): 9, 10, 11
•Required Prerequisites: none •Recommended Prerequisites: Introduction to Computer Science; Completed or Co-Enrolled in Algebra I
•Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
•Counts as a directed elective or elective for all diplomas

2925/26 Information Technology Fundamentals
Year, 2 credits
Prerequisite: Principles of Computing

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. (St # 7180)
•Recommended Grade(s): 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

2491/92 Networking Fundamentals
Year, 2 credits
Prerequisite: Principles of Computing, Information Technology Fundamentals

Networking Fundamentals describes, explores and demonstrates how a network operates in our everyday lives. The course covers the technical pieces and parts of a network and also societal implications such as security and data integrity. Using hands-on lab work, this course offers students the critical information needed for a role as an Information Technology professional who support computer networks. Concepts covered include the TCP/IP model, OS administration, designing a network topology, configuring the TCP/IP protocols, managing network devices and clients, configuring routers and switches, wireless technology and troubleshooting. Provides students the ability to implement, administer, and troubleshoot information systems that incorporate the Microsoft Windows clients and servers in an enterprise environment. Students will be introduced to managing applications, files, folders, and devices in a windows active directory environment. (St # 7182)
•Recommended Grade(s): 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

5270/71 Graphic Design and Layout
Year, 2 credits
Prerequisite: None

Graphic Design and Layout includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials, and instructional manuals. Instruction also covers advertising theory and preparation of copy, lettering, posters, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design commercial products that impart information and ideas. Advanced instruction might also include experiences
in various printing processes as well as activities in designing product packaging and commercial displays or exhibits.
● Recommended Grade: 10, 11, 12
● Credits: 2 semester course, 2 semesters required
● Counts as a directed elective or elective for all diplomas (St # 5550)

2921/22 Cybersecurity Fundamentals
Year, 2 credits
This course introduces fundamental networking protocols and their hierarchical relationship in the context of conceptual Information Communication Technology (ICT) frameworks. Students will learn how networked hosts and applications communicate across networks. Emphasis is placed on security throughout the entire SDLC (Systems Development Life Cycle).

Cybersecurity Fundamentals continued:
● Recommended Grade(s): 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 science cred

2927/28 Networking and Cybersecurity Operations
Year, 2 credits

Advanced Information Technology will provide students with the fundamental concepts in networking and cybersecurity. Students are introduced to the principles and concepts of computer networking, covering the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. Students will be able to troubleshoot routers and switches and resolve common issues. The students will also explore the field of Cyber Security/Information Assurance focusing on the technical and managerial aspects of the discipline. Students will be introduced to the basic terminology, concepts, and best practices of computer/network security and the roles and responsibilities of management/security personnel. The students will learn the technologies used and techniques involved in creating a secure computer networking environment including authentication and the types of attacks against an organization. (St # 7181)
● Recommended Grade(s): 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

2923/24 Advanced Cybersecurity (Coming 2024-25)
Year, 2 credits

Students will acquire the fundamentals of information and data security and understand the vulnerability most organizations have in their security systems with an emphasis on firewalls, security plans and Virtual Private Networks (VPNs). Discussions will include data security methods, authentication, network attacks, malicious code and viruses, wireless security, e-mail and web security and disaster recovery. This course will also focus on the managerial aspects of information security and assurance. Topics covered include access control models, information security governance, and information security program assessment and metrics. Coverage on the foundational and technical components of information security is included to reinforce key concepts, such as security planning and contingencies, security policies, security management models and practices and ethics (St # 7178)
. ● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Computing; Cybersecurity 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

ENGLISH/LANGUAGE ARTS COURSES

COURSES		CREDIT	YEAR OFFERED			
3391-3392	English 9 a b	2	9			
3395-3396	English 9 a b (CO)	2	9			
3491-3492	English 9 Honors	2	9			
3591 3592	English 9 Focus	2	9			
3091-3392	English 98/99 (Supported)	2	9			
3630	English Literature & Composition (AP)	2			11	12
3600	English Language & Composition (AP) 23/24	2		10	11	12
3507/3509	ENGLISH 111/IVY	2			11	12
3515	ENGLISH 215/IVY	1				12
3517	COMM 101 IVY (Speech)	1			11	12
3641	American Literature	1			11	12
3665	Biblical Literature	1			11	12
3659	Biographies	1			11	12
3639	Composition	1		10		
3637	Creative Writing	1			11	12
3653	Digital Media	1		10	11	12
3638	Dramatic Literature	1			11	12
3636	Film Literature	1			11	12
3816	Journalism	1		10	11	12
3633	Novels	1			11	12
3667	Poetry	1			11	12
3635	Short Stories	1			11	12
3649	Speech	1		10	11	12
3643	Technical Communications	1			11	12
3663	World Literature	1			11	12
English Electives*						
3810	Student Publications: Phoenix (newspaper)	2	9	10	11	12
3820	Student Publications: Rosennial (yearbook)	2	9	10	11	12

*** These English credits may not be substituted for graduation requirements.**

The English curriculum is a four-year required program designed to meet the varied needs of all students. Each student, guided by parents, counselors, and members of the English faculty, elects a course of study. When it is in the best interests of the student, a change from one program to another is possible from year to year.

Students eligible to take Focus level courses are determined by department decision.

3391-3392 English 9
Year, 2 credits

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. 61 Indiana Department of Education 2021-2022 High School Course Titles and Descriptions 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. (St # 1002)

- 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

3631-3632 English Literature & Composition AP
Year, 2 credits

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 15 Indiana Department of Education 2021-2022 High School Course Titles and Descriptions 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. (St # 1058)

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation; Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

3601-02 English Language & Composition AP
Year, 2 credits

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. (St # 1056)

● Recommended Grade: 10, 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; Students should be able to read and comprehend college-level texts and apply the conventions of standard written English in their writing.
● Credits: 2 semester course, 1 credit per semester
● Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

3507/3509 IVY TECH ENGLISH 111
Year, 2 high school credits – 3 college credits
Prerequisite: 2.6 GPA, Knowledge Assessment Test English = 70

IVY Tech English 111 is the equivalent of an English 101, college-level course. Students should expect heavy reading loads, frequent writing assignments, and more stringent grading than in high school English classes. Student may earn dual credit from IVY Tech if they achieve the required score on standardized tests and earn a grade of C or better in the course. Dual credit is granted by IVY Tech and is accepted at all public and many private Indiana colleges. Dual credit may be accepted by some out of state school.

Juniors wishing to enroll in **IVY Tech English 111** classes should meet the following criteria in order to be properly prepared for the demands of this class:

- Have achieved a C- or above in an honors English honors course during the 10th grade academic year
- Have achieved at least the minimum scores on the following standardized tests:
    - PSAT – Writing = 26, Critical Reading = 25
    - These cut scores are set by IVY Tech and are subject to change!
- Have good attendance

Seniors wishing to enroll in IVY Tech English 111 classes should meet the following criteria in order to be properly prepared for the demands of this class:

- Have achieved a C- or above in an honors-related English course during the 11th grade academic year and have a written recommendation from that year's English teacher
- Have a GPA of at least 2.6 OR have achieved at least the minimum scores of the following standardized tests:
    - PSAT – Writing = 26, Critical Reading = 25

- Have good attendance

*Seniors will only be allowed to enroll in the 2 semester section of English IVY 111

**Good attendance is important. Colleges may not award credit to students who miss a significant number of sessions. Therefore, student attendance may be a factor in determining student admittance to the dual credit class, and/or poor attendance could exclude students from earning dual credit or may reduce the grade earned. (St # 1124)

IVY TECH ENGLISH 215
Semester, 1 high school credit – 3 college credits
Prerequisite: 2.6 GPA, Knowledge Assessment Test English = 70
IVY Tech English 214 is the equivalent of an English 102, college-level course. Students should expect heave reading loads, frequent writing assignments, and more stringent grading than in high school English classes. Dual credit is granted by IVY Tech and is accepted at all public and many private Indiana colleges. Dual credit may be accepted by some out of state schools.

Seniors wishing to enroll in IVY Tech English 215 classes should meet the following criteria in order to be properly prepared for the demands of this class:

- Have achieved a C or better AND earned dual credit in IVY Tech English 111 during their junior academic year
- Have good attendance

*Good attendance is important. Colleges may not award credit to students who miss a significant number of sessions. Therefore, student attendance may be a factor in determining student admittance to the dual credit classes, and/or poor attendance could exclude students from earning dual credit or may reduce the grade earned.

**IVY Tech dual credit English 215 is only awarded to student who achieved a grade or C or higher AND who earned dual credit in IVY Tech English 111.

3517 COMM 101 IVY (Speech)
Semester, 1 high school credit – 3 college credits
Prerequisite: 2. 6 GPA

COMM 101 Fundamentals of Public Speaking Prerequisites: Demonstrated competency through appropriate assessment. Introduces fundamental concepts and skills for effective public speaking, including audience analysis, outlining n, research, delivery, critical listening and evaluation, presentational aids, and use of appropriate technology.

3659 BIOGRAPHIES
Semester, 1 credit

Biographies, a course based on the Indiana Academic Standards for English/Language Arts, is a study of outstanding examples of biographical literature from various historical eras, cultures, and authors (both men and women). Students examine autobiographies, legendary narratives of historical figures, and hagiographies (venerated persons). Students analyze works written for different purposes, such as moralistic, inspirational, entertainment, and cautionary. Students analyze the assumptions of the author and the relationship between the author and the subject of the biography in order to determine reliability and validity of the work. Course can be offered

Biographies continued:

in conjunction with a composition course, or schools may embed Indiana Academic Standards for

English/Language Arts writing standards within the curriculum. (St # 1024)
● Recommended Grade: 11, 12
● Recommended Prerequisites: English 9, Composition
● Credits: 1 semester course, 1 credit per semester
● Fulfills an English/Language Arts requirement for all diplomas

3665 Biblical Literature
Semester, 1 credit

Biblical Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the Bible, viewed from a literary standpoint, as a source of a wide variety of literary patterns, themes, and conventions. Students examine the different books in relation to the various historical time frames of the books and in relation to related literature as it pertains to Biblical themes. Students read, discuss, and write about Biblical references (allusions) in both classical and modern literature, formation of a canonical Bible, inclusion of apocryphal and heretical writings, oral versus literate transmission of sacred history and doctrine, and questions and problems of interpretation. 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. (St # 1022)
● Recommended Grade: 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Recommended Prerequisites: English 9, English 10, or teacher recommendation
● Credits: 1 to 2 semester course, 1 credit per semester
● fulfills an English/Language Arts requirement for all diplomas

3639 Composition
Semester, 1 credit

Composition, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies of narration, description, exposition, and persuasion. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. Students read classic and contemporary literature or articles and use appropriate works as models for writing. Students write a variety of types of compositions with a focus on fictional narratives, reflective compositions, academic essays, and responses to literature. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/ semester (St # 1090)
•Fulfills an English/Language Arts requirement for all diplomas Language Arts reading standards within curriculum.
•Recommended Grade: 10
•Recommended Prerequisites: English 9, Composition
•Credits: 1 or 2 semester course, 1 credit per

3637 Creative Writing

Semester, 1 credit

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. (St # 1092)
•Recommended Grade: 11, 12
•Recommended Prerequisites: English 9, Composition
•Credits: 1 semester course, 1 credit per semester
•Fulfills an English/Language Arts requirement for all diplomas

3653 Digital Media
Semester, 1 credit

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. (St # 1084)
•Recommended Grade: 10, 11, 12 *Recommended Prerequisite: English 9

3638 Dramatic Literature
Semester, 1 credit

Dramatic Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of plays and literary art as different from other literary genres. Students view live, televised, or filmed productions and stage scenes from plays or scripts. Students examine tragedies, comedies, melodramas, musicals or operas created by important playwrights and screenwriters representing the literary movements in dramatic literature. Students analyze how live performance alters interpretation from text and how developments in acting and production have altered the way we interpret plays or scripts. Students analyze the relationship between the development of dramatic literature as entertainment and as a reflection of or influence on the culture. 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. (St # 1028)
•Recommended Grade: 11, 12
• Recommended Prerequisites: English 9, Composition
•Credits: 1 or 2 semester course, 1 credit per semester
•Fulfills an English/Language Arts requirement for all diplomas

3636 Film Literature

Semester, 1 credit

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 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 curriculum. (St # 1034)
•Recommended Grade: 11, 12
•Recommended Prerequisites: English 9, Composition
•Credits: 1 semester course, 1 credit per semester
•Fulfills an English/Language Arts requirement for all diplomas

3616 Journalism
Semester, 1 credit

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.(St # 1080)
•Recommended Grade: 10, 11, 12
•Recommended Prerequisites: English 9, Composition
•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

3633 Novels
Semester, 1 credit
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 curriculum. (St # 1042)
•Recommended Grade: 11, 12
•Recommended Prerequisites: English 9, Composition
•Credits: 1 semester course, 1 credit per semester
•Fulfills an English/Language Arts requirement for all diplomas

3635 Short Stories
Semester, 1 credit

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 curriculum. (St # 1046)
•Recommended Grade: 11, 12
•Recommended Prerequisites: English 9, Composition
•Credits: 1 semester course, 1 credit per semester
•Fulfills an English/Language Arts requirement for all diplomas

3649 Speech
Semester, 1 credit

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. (St # 1076)
•Recommended Grade: 10, 11, 12
•Recommended Prerequisites: none
•Credits: 1 semester course, 1 credit per semester
•Fulfills an English/Language Arts requirement for all diplomas

3643 Technical Communication
Semester, 1 credit

Technical Communication, a course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the processes and conventions needed for effective technical writing-communication. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. Course can be offered in High School Course Titles and Descriptions 2022-2023 79 conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum. (St # 1096)
Technical Communication continued:
*Recommended Grade: 11, 12

•Recommended Prerequisites: English 9, Composition
•Credits: 1 semester course, 1 credit per semester
•Fulfills an English/Language Arts requirement for all diplomas

3663 World Literature
Semester, 1 credit

World Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of ancient and modern representative works by major authors from six continents: Africa, Asia, Australia, Europe, North America, and South America. Students examine a wide variety of literary genres and themes. Students analyze how the ideas and concepts presented in the works are both interconnected and reflective of the cultures and historical periods of the countries represented by the authors. 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
. •Recommended Grade: 11, 12
•Required Prerequisites: none
: English 9, Composition
•Credits: 1 or 2 semester course, 1 credit per semester
•Fulfills an English/Language Arts requirement for all diplomas

ENGLISH ELECTIVES

3810 STUDENT PUBLICATIONS: PHOENIX (Newspaper)
Year, 2 credits

The Phoenix is a student-produced, professionally-printed newspaper published monthly and distributed to every high school student. Such a wide circulation demands special effort and responsibility by The Phoenix staff members to gather, write, and publish school news that is timely, informative, entertaining, and varied in its appeal along with selling and designing advertising for the paper. A position on The Phoenix staff requires knowledge of responsible journalism and desktop publishing as well as their practical applications. This course may count towards the Fine Arts credit needed for the Honors Diploma.

3820 STUDENT PUBLICATIONS: ROSENNIAL (Yearbook)
Year, 2 credits
Prerequisite: Sophomores-Seniors; Second semester freshmen with C or higher in Journalism or Photography

The Rosennial is an annual publication recording the year's activities for the school. Students using a desktop publishing program develop an attractive and saleable volume that subscribers will want to keep for years to come. (St # 1086)

Yearbook staff members can gain experience in writing, photography, and business skills. The chances for meeting and working with people are side benefits for those students willing to invest the time and energy. Students must apply and be accepted for a position on The Rosennial staff. This course may count towards the Fine Arts credit needed for the Honors Diploma. (St # 1086) 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.

- Recommended Grade Level: 9, 10, 11, 12
- Recommended Prerequisites: none

EDUCATION, HOSPITALITY, HUMAN AND SOCIAL SERVICES

COURSES		CREDIT	YEAR OFFERED			
0826	Adult Roles & Responsibilities	1		10	11	12
0817/18	Principles of Early Childhood	2	9	10	11	12
0681/82	Principles of Culinary & Hospitality	2	9	10	11	12
0667/68	Nutrition	2		10	11	12
7161/62	Principles of Teaching	2	9	10	11	12
0757/58	Principles of Human Services	2	9	10	11	12
0927/28	Relationships & Emotions	2		10	11	12
0761/62	Understanding Diversity	2		10	11	12
2434/5	Career Information JAG I	2			11	12
2441/2	Career Information JAG II	2			11	12

0826Adult Roles and Responsibilities
1semester, 1 credit

Adult Roles and Responsibilities is recommended for all students as life foundations and academic enrichment, and as a career sequence course for students with interest 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-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 adult roles and responsibilities. Direct, concrete mathematics and language arts proficiencies will be applied. Service learning and other authentic applications are strongly recommended. This course provides the foundation for continuing and post-secondary education in all career areas related to individual and family life. (St # 5330)

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- 1 credit maximum

0817/0818 Principles of Early Childhood
Full Year, 2 credits

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. (St # 7160)

Principles of Early Childhood continued:

- Recommended Grade(s): 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

0681/82 Principals of Culinary and Hospitality
Year, 2 credits

Principles of Culinary and Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the food service and lodging industry. Introduces procedures for decision making which affects operation management, products, labor, and revenue. Additionally, students will learn the fundamentals of food preparation, basic principles of sanitation, service procedures, and safety practices in the food service industry including proper operation techniques for equipment. (St # 7173)
•Recommended Grade(s): 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 (St # 7173)

0667/68 Nutrition
Year, 2 credits

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 (St # 7171)
● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Culinary and Hospitality
● Recommended Prerequisites: None Counts as a directed elective or elective for all diplomas

7161/62 Principles of Teaching
Year, 2 credits

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. (St # 7157)
● Recommended Grade(s): 9, 10, 11
● Required Prerequisites: none
● Recommended Prerequisites: none
● Counts as a directed elective or elective for all diploma

0757/58 Principles of Human Services

Year, 2 credits

Principles of Human Services explores the history of human services, career opportunities, and the role of the human service worker. Focuses on target populations and community agencies designed to meet the needs of various populations. The course includes a required job shadowing project in a Human Services setting (a suggested four-hour minimum to meet Ivy Tech requirements). This course will also encourage cultural awareness and appreciation of diversity. Focuses on cultural variations in attitudes, values, language, gestures, and customs. Includes information about major racial and ethnic groups in the United States. (St # 7176)
•Recommended Grade(s): 9, 10, 11
•Required Prerequisites: none
•Recommended Prerequisites: none High School Course Titles and Descriptions 2022-2023 318
•Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
•Counts as a directed elective or elective for all diplomas

0927/28 Relationships and Emotions
Year, 2 credits

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. Presents practical, scientific-based skills for improving 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. (St # 7177)
● Recommended Grade(s): 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

0761/62 Understanding Diversity
Year, 2 credits

Principles of Human Services explores the history of human services, career opportunities, and the role of the human service worker. Focuses on target populations and community agencies designed to meet the needs of various populations. The course includes a required job shadowing project in a Human Services setting (a suggested four-hour minimum to meet Ivy Tech requirements). This course will also encourage cultural awareness and appreciation of diversity. Focuses on cultural variations in attitudes, values, language, gestures, and customs. Includes information about major racial and ethnic groups in the United States. (St # 7174)
•Recommended Grade(s): 9, 10, 11
•Required Prerequisites: none
•Recommended Prerequisites: none High School Course Titles and Descriptions 2022-2023 318
•Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
•Counts as a directed elective or elective for all diplomas

2434/2435 CAREER INFORMATION JAG I (Jobs for America's Graduates)
Full Year
Prerequisite: Instructor Approval

JAG (Jobs for America's Graduates) is a career exploration and preparation course that provides a hands-on approach to exploring personal strengths and challenges as well as job attainment skills (cover letter, resume, job application, interviewing, etc.) and work place "survival" skills (interpersonal relations, team work, etc.). Students will work to build strengths in academic areas, time management, and communication. Students will receive support in obtaining employment and finding opportunities for job shadowing and internships.

Students will learn about various traditional and non-traditional careers. Students will also gain understanding regarding requirements and types of training and education needed for certain career fields. Students also receive support in achieving a High School Diploma and completing college entrance requirements.

This course involves individual assignments, team activities/projects, academic remediation support, service learning opportunities, guest speakers, field trips (including some JAG events such as the Leadership Development and Career Development conferences), and career exploration. Students will also participate in the JAG Career Association in various activities focused on Career and Leadership Development, Service Learning, and Civic/Social Awareness. (St # 0500)

441/2442 BASIC SKILLS JAG II (Jobs for America's Graduates)
Full Year
Prerequisite: JAG I

JAG (Jobs for America's Graduates) is a career exploration and preparation course that provides a hands-on approach to exploring personal strengths and challenges as well as job attainment skills (cover letter, resume, job application, interviewing, etc.) and work place "survival" skills (interpersonal relations, team work, etc.). Students will receive support in obtaining employment and finding opportunities for job shadowing and internships. Students will build on the knowledge and experience gained in JAG I. This course will provide students with continuing opportunities to develop their skills in essential life and career related areas. Students also receive support in achieving a High School Diploma and completing college entrance requirements.

This course involves individual assignments, team activities/projects, academic remediation support, service learning opportunities, guest speakers, field trips (including some JAG events such as the Leadership Development and Career Development conferences), and career exploration. Students will also participate in the JAG Career Association in various activities focused on Career and Leadership Development, Service Learning, and Civic/Social Awareness. (St # 0500)

MATHEMATICS

SEQUENCE CHART

Sequence	Grade 9	Grade 10	Grade 11	Grade 12
*2	Algebra II C	Geometry C	Pre Calc C	Math 123, Math 135, Math 211
*3	Algebra I C	Algebra II C Geometry C	Pre Calc C	Math 123, Math 135, Math 211
*4	Algebra I C	Algebra II C	Geometry C Pre Calc C	Math 123, Math 135, Math 211
*5	Algebra I C	Algebra II C	Geometry C	Pre-Calculus/Trig C Math 123, Math 135
*6	Algebra I C	Algebra II	Geometry	Pre-Calculus/Trigonometry Math 123, Math 135
*7	Algebra I	Algebra II	Geometry	Pre-Calculus/Trigonometry Math 123, Math 135
		Business Math	Business Math	

MATHEMATICS

COURSES					
6210 Algebra I	2	9	10		
6206/16 Algebra I (repeat)	2	9	10		
6213 Algebra I	2		10	11	12
6390 Algebra I C	2	9	10	11	12
6220 Algebra II	2		10	11	12
6230 Algebra II C	2	9	10	11	12
6330 Geometry	2			11	12
6340 Geometry C	2		10	11	12
6430 Pre-Calculus/Trigonometry	2				12
6440 Pre-Calculus/Trigonometry C	2			11	12
6443 Math 136 PRE-CALC IVY	2			11	12
6444 Math 137 PRE-CALC IVY	2			11	12
6843 Finite MATH 135 IVY	2			11	12
6843 Math 123 QUANTIVIATIVE REASONING IVY	2			11	12
6463/64 Math 165 Calculus 1 (BSU)	2			11	12
6465/66 Math 166 Calculus 2 (BSU)	2				12
6303/4 Business Math	2		10	11	12

The following items are required in all math classes: hardback 3-4 ring loose leaf notebook, pencil, and ruler with both English and Metric measurements and a plastic pencil pouch. A scientific calculator is required for all classes. Graphing calculators are appropriate for the highest level mathematics courses.

6210 ALGEBRA I
6213 ALGEBRA I – 10th, 11th, and 12th Grades
Year, 2 credits
Prerequisite: Partial Algebra I C, or 8th grade teacher recommendation

This course introduces the fundamentals of Algebra and is primarily designed for the student who wishes to take more mathematics, but will probably not choose a mathematics related field of study at the college level. However, the level of material covered should prepare the student for further study in mathematics and college courses of study which do not require high levels of prior mathematics. The quantity, depth, and pace of the material are less than that of Algebra I C. (St # 2520)

6390 ALGEBRA I C
Year, 2 credits
Prerequisite: None
Recommended: Teacher recommendation

This course is the first of a series for the motivated student who intends to pursue a course of study in mathematics, science, or a mathematics related field. This course introduces the fundamentals of Algebra such as the simple equation, line fundamentals and quadratic equation. Algebra I C may be taken during the 8th grade year by special permission of the New Castle Middle School Mathematics Department. (St # 2520)

6220 ALGEBRA II
Year, 2 credits
Prerequisite: Algebra I or Algebra I C
Recommended: At least C- in Algebra I or passing grade in Algebra I C

This course is primarily designed for the student who wishes to take more mathematics but will probably not choose a mathematics related field of study at the college level. However, the level of material covered should prepare the student for any other area of college study. The course begins with an extensive review of material from Algebra I. The quantity, depth, and pace of the material are less than that of Algebra II C. Placement is by your achievement in Algebra I or Algebra I C. (St # 2522)

6230 ALGEBRA II C
Year, 2 credits
Prerequisite: C average or above in Algebra I C

This course is especially recommended for any student planning to take college preparatory chemistry or physics, or study a mathematics related field. Students enrolling in the class should be highly motivated in mathematics. This course begins with a brief review of the fundamentals of Algebra I C. Greater depth in such topics as factoring is pursued. New topics include functions, a more complete study of the complex number system, quadratic equations, and logarithms. Placement is by your achievement in Algebra I C. A scientific calculator is required. (St #2522)

6330 GEOMETRY
Year, 2 credits
Prerequisite: At least one year of Algebra
Recommended: At least C- or above in Algebra I

This course is primarily designed for the vocational-oriented student or those students who wish to go to college but are not planning to major in a math or science related field. It is less formal than Geometry C. The emphasis will be on basic concepts of geometry and their applications. (St # 2532)

6340 GEOMETRY C
Year, 2 credits
Prerequisite: Algebra II or Algebra II C
This course is necessary for math majors and students who plan to take physics. It is also recommended for debaters and students who plan to major in an area requiring logical thinking, such as philosophy. It provides an introduction to ideas and methods of mathematical proof. A formal study of inductive and deductive thinking based on geometric figures such as triangles, circles and lines are conducted first semester. Constructions using a compass and straightedge are also part of the first semester's work. Basic formulas concerning areas, volumes, and similarity are covered in the second semester. A scientific calculator is required. (St # 2532)

6430 PRE CALCULUS/TRIGONOMETRY
Year, 2 credits
Prerequisites: Algebra II or Algebra II C and Geometry or Geometry C
Recommended: At least C- in Algebra II

This course is primarily designed for the academic student wishing to meet general college mathematics requirements for non-science majors. A strong background in Algebra is essential. The course adds to the understanding of previous mathematics courses and refines mathematical skills. The topics covered include trigonometry and analytic geometry. A scientific or graphing calculator is required. (St # 2564)

6440 PRE CALCULUS/TRIGONOMETRY C
6443/4 PRECALCULUS/TRIGONOMETRY C 136 – 137 IVY * DUAL CREDIT
Year, 2 high school credits – 6 college credits
Prerequisite: 2.6 GPA, Knowledge Assessment Test STEM Math = 70

This course is primarily designed for the student interested in engineering, applied mathematics, or other science-related fields. A very strong background in Algebra is essential. The relationship between science and mathematics is emphasized with a more sophisticated approach to study required, such as being able to read and understand mathematical symbols. The course adds to the understanding of previous mathematics courses, refines mathematical skills, and provides additional background for the science major in order that he may succeed in college science and mathematics. The topics include trigonometry and analytic geometry. A scientific or graphing calculator is required. This course can receive dual credit with IVY Tech. (St # 2544)

6843 FINITE MATHEMATICS 135 IVY
1 semester, 1 high school credit – 3 college credits
Prerequisite: 2.6 GPA, Knowledge Assessment Test KASTEM = 70

Surveys solving and graphing linear equations and inequalities, elementary set theory, matrices and their applications, linear programming, and elementary probability. A standard finite mathematics course. (St #2544)

6844 QUANTITATIVE REASONING MATH 135 IVY
Semester, 1 high school credit – 3 college credits
Prerequisite: 2.6 GPA, Knowledge Assessment Test KAQR = 55 or KASTEM 50

Introduces students to the mathematics required for informed citizenship, decision making, reasoning from evidence, working with real world data, and effective communication. Students will solve problems using proportional reasoning, percentages, rates of change, linear and exponential models with applications from statistics and finance. (St # 2544)

6447/48 CALCULUS I MATH 211
1Semester, 1 high school - 4 credit college credits
Prerequisite: 2.6 GPA, Math 131, 132 or Math 133, 134 or 136, 137
Reviews the concepts of exponential, logarithmic and inverse functions. Studies in depth the fundamental concepts and operations of calculus including limits, continuity, differentiation including implicit and logarithmic differentiation. Applies differential calculus to solve problems in the natural and social sciences, to solve estimation problems and to solve optimization problems. Applies differential calculus to sketch curves and to identify local and global extrema, inflection points, increasing/decreasing behavior, concavity, behavior at infinity, horizontal and vertical tangents and asymptotes, and slant asymptotes. Applies the concept of Riemann sums and antiderivatives to find Riemann integrals. Applies the fundamental theorem of calculus to solve initial value problems, and to find areas and volumes and the average values of a function.

6303/4 BUSINESS MATH
Year, 2 credits (Meets General Diploma only)
Prerequisite: Credit in Algebra I
(Qualifies as quantitative Reasoning Course or elective)

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.

Business Math continued:

- Recommended Grade(s): 10, 11
- Required Prerequisites: Algebra I
- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a quantitative reasoning course
- Counts as an elective or directed elective for all diplomas
- fulfills a Mathematics requirement for the General Diploma or Certificate of Completion only.

Fine Arts

COURSE					
1510 Instrumental Ensemble	2	9	10	11	12
1560 Chorus: Intermediate (Chamber Singers)	2	9	10	11	12
1660 Chorus: Beginning (Festival Singers)	2	9	10	11	12
1550 Chorus: Advanced (Chorale)	2		10	11	12
1955/56 Technical Theatre	1	9	10	11	12

1510 INSTRUMENTAL ENSEMBLE
Year, 2 credits
Prerequisite: None

The band is a performance oriented wind and percussion instrument group. Its primary purpose is to offer opportunities for students to develop their musical talents through group participation. Through these experiences, members develop musicianship and an appreciation of band music through advanced instrumental training. The band participates in all Indiana School Music Association contests and in a yearly series of concert and convocations. The band appears at selected home football and basketball games and has a two week summer marching program. During the concert season students are divided by audition into Wind Ensemble and Concert Band. Jazz Band is also offered to all band students. Students must have the ability to play basic rhythms and scales on their instruments and must be able to read simple band parts at sight to enroll in band. A department fee will be assessed each student enrolled. (St # 4162)

1560 CHORUS: INTERMEDIATE (CHAMBER SINGERS)
Year, 2 credits
Prerequisite: Audition

Chamber Singers is an intermediate ensemble. The music selected covers all periods and styles of performance to enable a well-balance repertoire. This ensemble gives approximately ten performances each year including festivals and state competitions. Students selected for this group must be able to perform medium to advanced sight-reading exercises and rhythmic exercises. All performances are a required portion of the student grade.

The Chamber Singers is a select organization of Freshmen, Sophomores, Juniors, and Seniors. All members audition in the spring and the voices are chosen to form a balanced ensemble. A department fee will be assessed each student enrolled.
(St # 4188)

1660 CHORUS: BEGINNING (FESTIVAL SINGERS)
Year, 2 credits
Prerequisite: Audition

Festival Singers is a training ensemble for the Chamber Singers and Chorale and is open to anyone who enjoys singing, or requires basic introduction to choral techniques. This choir has approximately ten performances each year. Students selected for this group must have the ability to hold a vocal part and will learn basic sight-singing skills. All performances are a required portion of the student grade. A department fee will be assessed each student enrolled. (St # 4182)

1550 CHORUS: ADVANCED (CHORALE)
Year, 2 credits
Prerequisite: Audition

Chorale is the advanced choral ensemble and its members represent the best in student musical ability level. The music selected covers all periods and styles of performance to enable a well-balanced repertoire. The Chorale gives approximately ten major performances each year including several convocations, concerts, district music festivals and state organizational contests. Students selected for this group must be musically literate including reading music, sight singing, and rhythm reading. All performances are a required portion of the student grade.

The Chorale is a select vocal music organization of Sophomores, Juniors and Seniors. All members audition in the spring and the voices are chosen to form a balanced ensemble. A department fee will be assessed each student enrolled. (St # 4188)

1955/56 TECHNICAL THEATRE
Semester: 1 credit per semester taken
Prerequisites: none

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 (set design, costumes, lighting and make-up). 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.
This class fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma. Since every semester is a different show, students could take the course every semester for the entire 4 years and have completely different experiences.
(St # 4244)

PHYSICAL EDUCATION

COURSE		CREDIT	YEAR OFFERED
9978	Physical Education I	1	9 10 11 12
9106	Health	1	9 10 11 12
9979	Physical Education II	1	10 11 12
9921/22	Elective Physical Education	1	11 12
9913/18	Introduction to Weightlifting	1-2	9 10 11 12
9919/29	Weightlifting Level II (Female)	1-2	10 11 12
9931/32	Weightlifting Level II (Mixed)	1-2	10 11 11

9978 PHYSICAL EDUCATION I
Semester, 1 credit
Prerequisite: None

In accordance with the state law and the New Castle Community School Corporation, ninth grade boys and girls are required to pass Physical Education I to graduate. Emphasis will be placed on the health-related fitness and developing skills and habits necessary for a lifetime of activity. The course will consist of skill development and the application of rules and strategies of complex difficulty in at least three of the following different movement forms: (1) health-related fitness activities (cardiorespiratory endurance, muscular strength and endurance, flexibility, and body composition), (2) aerobic exercise, (3) team sports, (4) individual and dual sports, (5) outdoors pursuits, and (6) recreational games. Adapted physical education must be offered, as needed, in the least restricted environment and must be based on individual assessment.

Students will take physical education five days a week for one semester in order to fulfill their graduation requirements. There will be a towel and lock fee charge for this class. (St # 3542)

9106 HEALTH
Semester, 1 credit
Prerequisite: None

Health is a required course which all students must take to graduate from high school. In freshman health, many topics are discussed. The anatomy and care of the different body functions is a major part of the students' course of study. The student will also be exposed to many of the mental and social aspects of health education. Late in the semester students will study human sexuality, sexually transmitted diseases and sexual behavior from an abstinence point of view. Reading and written assignments, lectures, video tapes and guest speakers will be used to present health related information in such a way that students will be influenced to take positive action regarding their health.
(St # 3506)

9979 PHYSICAL EDUCATION II
Semester, 1 credit
Prerequisite: None
In accordance with state law and the New Castle Community School Corporation, sophomore boys and girls are required to pass Physical Education II to graduate. Emphasis will be on a personal commitment to lifetime activity and fitness for enjoyment, challenge, self-expression, and social interaction. This course provides students with opportunities to achieve and maintain a health-enhancing level of physical fitness and increase their knowledge of fitness concepts. It includes at least three different movement forms without repeating those offered in Physical Education I. Movement forms may include: (1) health-related fitness activities (cardiorespiratory endurance, muscular strength and strength, flexibility, and body composition), (2) aerobic exercise, (3) team sports, (4) individual and dual sports, (6) outdoor pursuits, (7) self-defense, (8) dance, and (9) recreational games. Ongoing assessment includes both written and performance-based skill evaluations. This course will also include a discussion of related careers.
Students will take physical education five days a week for one semester in order to fulfill their graduation requirements. There will be a towel and lock fee charge for this class. (St # 3544)

INTRODUCTION TO WEIGHTLIFTING I
Year, 1 – 2 credits
Prerequisite: Must be taking or have taken PE I and II

Weightlifting I will concentrate on correct lifting techniques for all basic or core lifts with emphasis on flexibility. A personal record keeping system to evaluate progress will be used. The basic principles of strength training will be stressed including spotting techniques. (St # 3560)

9913-9914 Female class
9915-9916 Males class
9917-9918 Mixed class
WEIGHTLIFTING LEVEL II
Year, 1 – 2 Credits
Prerequisite: Must have taken Introduction to Weightlifting

Weightlifting Level II will concentrate on building from skills learned in Introduction to Weightlifting. It will continue to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. (St # 3560)

9919/29 Female Class
9931-32 Mixed Class

9921/9922 ELECTIVE PE/RECREATIONAL GAMES
Two one semester courses/1 credit each semester/maximum 3 semesters
Prerequisite: B- average in P.E. II or permission from P.E. staff

Elective PE/Recreational Games will be offered to 11th and 12th grade students only after receiving the PE I and PE II state requirement credit. It is a one semester course, offered both semesters, with credit. *This may only be taken a maximum of three semesters.* This course is for the student who enjoys recreational games. Students with doctor's statements for walking and not capable of running will NOT be accepted into the class. Many activities involve running. The course incorporates team and individual sports. Grading is based on attendance, participation and dress. Activities include but are not limited to: flag football, ultimate Frisbee, dodgeball, soccer, speedball, tennis, volley tennis, volleyball, basketball, soccer, kickball, softball, whiffle ball, whiffle dodgeball, mat ball, wall ball, dodge kickball, badminton, pickle ball, water polo, capture the flag, hide-a-way.

SCIENCE

NOTE: All students must complete two years of high school science. The two courses must be from different major science disciplines.

COURSES	CREDIT	YEAR OFFERED		
7100 Biology I	2	9		
7110 Biology I H (Focus)	2	9		
7230 Biology, Advanced Placement	2		11	12
7400 Chemistry I	2	10	11	12
7410 Chemistry I H	2	10	11	12
7420 Chemistry, Advanced Placement	2		11	12
7500 Physics I	2	10	11	12
7510 Physics 1, Advanced Placement	2		11	12
7783/4 Environmental Science	2	10	11	12
7802/03 Integrated Chemistry-Physics (ICP)	2	10	11	12

Students eligible to take Focus level courses are determined by department decision.

Complete Biology I as a freshmen. Complete a Physical Science as a sophomore (Chemistry, Physics, or Integrated Physical Science)

***This course number/title is for students taking this course AND getting dual/double up credit from IVY Tech. Students wanting the dual/double up credit must meet criteria established by IVY Tech. There may be deadlines for this opportunity.**

7100 BIOLOGY I
Year, 2 credits
Prerequisite: None

Biology I provides, through regular laboratory and field investigations, a study of the structures and functions of living organisms and their interaction with the environment. At a minimum, this study explores the functions and processes of cells, tissue, organs, and systems within various species of living organisms and the roles and interdependencies of organisms within populations, communities, ecosystems, and the biosphere. Students have opportunities to: (1) gain an understanding of the history of the development of biological knowledge, (2) explore the uses of biology in various careers and (3) cope with biological questions and problems related to personal needs and social issues. (St # 3024)

7110 BIOLOGY I (Focus)
Year, 2 credits
Prerequisite: None

Biology I (Honors) contains the lessons of Biology I with additional emphasis placed on projects and inquiry activities important to students planning to attend college.

Biology I (Honors) provides, through regular laboratory and field investigations, a study of the structures and functions of living organisms and their interaction with the environment. At a minimum, this study explores the functions and processes of cells, tissues, organs, and systems within various species of living organisms and the roles and interdependencies of organisms within populations, communities, ecosystems and the biosphere. Students have opportunities to: (1) gain an understanding of the history of the development of biological knowledge, (2) explore

the uses of biology in various careers and (3) cope with biological questions and problems related to personal needs and social issues.

Biology I (Honors) also contains additional requirements not expected in Biology I. At least 50% of the course consists of laboratory experiences. Upon completion of Biology I (Honors) students are expected to be able to communicate their understanding of topics of biology, including cell structure and function, photosynthesis and respiration, genetics, botany, zoology and ecology. At least one long-term project will be required throughout the course. (St # 3024)

7230 BIOLOGY, ADVANCED PLACEMENT
Year, 2 credits **Grade: 11 or 12**
Prerequisite: A average in Biology I F or teacher recommendation
PSAT Rdg-25, Writ-26

The College Board's Advance Placement (AP) Biology program provides able and motivated students to pursue college-level biological studies while still in secondary school.

The AP Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. The AP Biology course differs significantly from first year biology with respect to the type of textbook used, the range and depth of topics covered, the kind of laboratory work done by students, and the time and effort required of students.

The AP Biology course is recommended for students who intend to major in a biologically related field in college. Students who take AP Biology should have successfully completed Biology I H and should have a good chemistry background as well. Students will master the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

There will be a fee for a laboratory manual and a lab fee for this. In order to receive a weighted grade for this course, a student must take the AP exam at the end of the course. (St # 3020)

7400 CHEMISTRY I 31-32
Year, 2 credits
Prerequisite: C average for both semesters in Algebra I and C average for both semesters in Biology I or Biology I, Honors

Chemistry I allows students to synthesize useful models of the structure of matter and the mechanisms of its interactions through laboratory investigations of matter and its chemical reactions. Students have opportunities to: (1) gain an understanding of the history of chemistry, (2) explore the uses of chemistry in various careers, (3) cope with chemical questions and problems related to personal needs and social issues and (4) learn and practice laboratory safety. (St # 3064)

7413/14 CHEM 101 Introduction Chemistry I IVY
Year, 2 high school credits – 3 college credits
Prerequisite: 2.6 GPA, Knowledge Assessment Test English = 70, STEM Math = 70

An introductory course that includes the science of chemistry and measurement, atomic theory and the periodic table, chemical bonding, equation writing and balancing, stoichiometry, gases and acids/bases. Includes lab. (St # 3090)

7420 CHEMISTRY, ADVANCED PLACEMENT
Year, 2 high school credits – 5 college credits
Prerequisite: B in Chemistry I H and B in Algebra II C, teacher recommendation
2.6 GPA, Knowledge Assessment Test English = 70, Math 136

This course follows College Board entrance examination guidelines for advanced placement chemistry. This demanding course is for students planning a career in any of the science fields. Students will spend significant time and effort on problem sets, laboratory reports, and daily assignments. The course will go into a greater depth of the topics studied in Chemistry I H. Students who complete the course may elect to take the AP test for college credit.

An overview of stoichiometry and the periodic table is followed by a study of chemical solutions. Other topics covered will be oxidation-reduction, enthalpy of chemical change, chemical kinetics, gases, rates of reaction, acid base theory, spontaneity, and electrochemistry. There will be a lab fee charged for this class each semester.

In order to receive a weighted grade for this course, a student must take the AP exam at the end of the course. (St # 3060)

7802/03 INTEGRATED CHEMISTRY-PHYSICS (ICP)
Year, 2 credits
Prerequisite: Biology I
Prerequisite or Co-requisite: Algebra I (may be taken concurrently with this course)

Integrated Chemistry-Physics is a course focused on the follow core topics: constant velocity; uniform acceleration; Newton's laws of motion; energy; particle theory of matter; describing substances; representing chemical change; electricity and magnetism; waves; nuclear energy. Instruction focuses on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations according to accepted procedures.
This course is necessary to meet the Core 40 diploma requirement for students who do not take Chemistry I or Physics I. (St # 3108)

7500 PHYSICS I
Year, 2 credits
Prerequisite: Algebra II

This course is designed for any students planning for college study. Those students wishing to pursue mathematics or science related fields may consider taking the course before their senior year and elect to also take the AP Physics 1 and 2 courses. Physics searches to discover the patterns in nature. Concepts involving motion, forces, energy, light, heat, sound, electricity, atomic and nuclear physics, and magnetism will be covered. Although the course focuses more on the concepts of physics than mathematics, algebraic problem solving and graph plotting and analysis are utilized. There will be a lab fee charged for this class each semester.

Physics I aides students in synthesizing the fundamental concepts and principles concerning matter and energy through the laboratory study of mechanics, wave motion, heat, light, electricity, magnetism, electromagnetism, and atomic and nuclear physics. Students have opportunities to: (1) acquire an awareness of the history of physics and its role in the birth of technology, (2) explore the uses of its models, theories, and laws in various careers, and (3) investigate physics questions and problems related to personal needs and social issues. (St # 3084)

7510 PHYSICS 1, ADVANCED PLACEMENT
Year, 2 credits
Prerequisite: Pre-calculus

This course follows College Board entrance examination guidelines for advanced placement physics 1. This course introduces the major concepts of physics and prepares students for engineering, mathematics, and science majors in college. The course is algebra based. Topics include Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Extensive use of mathematics will be involved in the applications and development of the topics. No prior physics classes are required. Students who complete the course may elect to take the AP test for college credit. There will be a lab fee charged this course each semester. In order to receive a weighted grade for this course, a student must take the AP exam at the end of the course. (St # 3080)

7783/4 ENVIRONMENTAL SCIENCE
Year, 2 credits
Prerequisite: Passed Biology I, student should have passed a Physical Science
Environmental Science is an interdisciplinary course that integrates biology, earth science, chemistry, and other disciplines. Students enrolled in this course conduct in-depth scientific studies of ecosystems, population dynamics, resource management, and environmental consequences of natural and anthropogenic processes.

Environmental Science continued:

Students formulate, design, and carry out laboratory and field investigations as an essential course component.

Students completing Environmental Science, acquire the essential tools for understanding the complexities of national and global environmental systems. There will be a lab fee for this class. (St # 3010)

SOCIAL STUDIES

COURSES		CREDIT	YEAR OFFERED			
8211	Indiana Studies	1			11	12
8321/2	Geography and History of the World	2		10	11	12
8341/42	HONORS Geography and History of the World	2	9	10	11	12
8491	World History 21	1		10	11	12
8492	World History 22	1		10	11	12
8400	U. S. History 31-32	2			11	12
8503	US History 101 IVY	2			11	12
8504	US History 102 IVY	2			11	12
8956	Economics 42	1				12
8963	Econ 201 Principles of Macroeconomics IVY	1			11	12
8964	Econ 202 Principles of Microeconomics IVY	1			11	12
8931	Psychology 101 IVY	2				12
8546	U. S. Government 41	1				12
8510	U. S. Government AP	2				12
8602/03	Human Geography AP	2			11	12
8991	Ethnic Studies	1	9	10	11	12

World History and Geography/History of the World may be taken any year to meet the requirements for the Core 40 Diploma and the Core 40 with Academic Honors Diploma.

8211 Indiana Studies
Semester, 1 credit
Prerequisite: None

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and student will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions. This course will be offered ***on-line,*** with meetings scheduled on an individual basis. (St # 1518)

8321/22 Geography and History of the World
Year, 2 credits
Prerequisite: None

Geography and History of the World is designed to enable students to use the geographic "way of looking at the world" to deepen their understanding of major global themes that have manifested themselves over time—for example, the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions.

In Geography and History of the Word, specific geographic and historical skills and concepts of historical geography are used to explore these global themes primarily but not exclusively for the period beginning in 1000 CE. The skills are grouped into five sets, each representing a fundamental step in a comprehensive investigative/inquiry procedure. They are: 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, and presenting and documenting findings orally and/or in writing.

The historical geography concepts used to explore the global themes in Geography and History of the World include change over time, origin, diffusion, physical systems, cultural landscapes, and spatial distribution and interaction. By using these skills, concepts and encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for employment in the 21st Century. The processes associated with them, students are able to analyze, evaluate, and make predictions about major developments. Geography and History of the World is designed to nurture perceptive, responsible citizenship, global development. (St # 1570)

8491 WORLD HISTORY 21
Semester, 1 credit
Prerequisite: None

World History deals with the history of man from early times to present. The activities, problems and daily lives of people are studied through the use of textbook readings, lecture discussions, audio-visual aids and independent research projects.

Topics examined include: origins of early man, early cradles of civilizations, empires in the Middle East, the classical world of ancient Greece, and Rome. There will be a fee charged for this class.

World History deals with the history of man from early times to the present. It takes a look at the influences and development that impact society today. Students are expected to practice skills and processes that apply the Seven Interpretations of History (Social, Economic, Religion, Politics, Great Men, Geographical and External Conflicts).
(St # 1548)

8492 WORLD HISTORY 22
Semester, 1 credit
Prerequisite: None

World History deals with the history of man from early times to present. The activities, problems, and daily lives of people are studied through the use of textbook readings, lecture discussions, audio-visual aids and independent research projects.

Topics examined include: Medieval Europe, Renaissance and Reformation, the birth of modern day nations, the English and French Revolutions, and the two World Wars. There will be a fee charged for this class.

World History deals with the history of man from early times to the present. It takes a look at the influence and development that impact society today. Students are expected to practice skills and processes that apply the Seven Interpretations of History (Social, Economic, Religion, Politics, Great Men, Geographical and External Conflicts).
(St # 1548)

8991 ETHNIC STUDIES
Semester, 1 credit
Prerequisite: None

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. This course will 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.
cultural diversity, gender equality, crime and punishment, families, education, religion, economics, government, science, health care and world pressures.
The student will study human behavior from a group perspective. Students will describe the development of sociology as a social science and identify methods and strategies of research. Society will be examined by students through the study of culture on group behavior and social structures/institutions. The changing nature of society will be examined by students to help analyze impact of social groups on individual behavior.
(St # 1516)

8400 U. S. HISTORY 31-32
Year, 2 credits
Prerequisite: None

United States History is a two semester course which builds on concepts developed in previous studies of American history. After reviewing American history through the Civil War, students will be able to identify the interaction of key events, persons, and groups with political, economic, social, and cultural influences on state and national development in the late

US History continued:

nineteenth, twentieth, and early twenty-first centuries. Students will develop inquiry skills using primary source material, examine cause and effect, identify different perspectives and relate historical situations to current issues. Students will study themes and that affect them today-civil rights, democratic participation, etc. There will be a fee charged for this class.

Students will be able to place time periods of study into chronological order, in addition students will examine important themes and concepts in Indiana and U.S. History while developing skills and processes of historical thinking and inquiry students will gather and organize information from primary and secondary sources from a variety of sources. Students will exercise their skills as future citizens in a democratic society by engaging in problem solving and civic decision making in the classroom, school and community setting. (St # 1542)

8503 US History (Survey of American History I) HIST 101 IVY
Prerequisite: 2.6 GPA, Knowledge Assessment Test English = 70
1 semester, 1 high school credit – 3 college credits

Covers major themes and events in American history from domestic and global standpoints, including exploration of the New World; the colonial period; causes and results of the American Revolution; the development of the federal system of government; the growth of democracy; early popular American culture; territorial expansion; slavery and its effect; reform movements, sectionalism; causes and effects of the Civil War. (St # 1574)

8504 US History (Survey of American History II) HIST 102 IVY
Prerequisite: 2.6 GPA, Knowledge Assessment Test English = 70
1semester, 1 high school credit – 3 college credits

Covers major themes including the post-Civil War period, western expansion, industrial growth of the nation and its effects, immigration and urban discontent and attempts at reform, World War I, the Roaring Twenties, social and governmental changes of the thirties, World War II and its consequences, the growth of the federal government, social upheaval in the sixties and seventies, and recent trends in conservatism, (St # 1574)

8956 ECONOMICS 42
Semester, 1 credit
Prerequisite: None

Students will be introduced to the many consumer and economic problems they will face as a member of the community. This course is designed to teach economic reasoning needed as consumers, producers, savers, investors, workers, voters, and how our government agencies make their decisions. There will be a fee charges for this class.

The student will be able to identify the key elements to the study of Economics which are:

1) Scarcity and economic reasoning, supply and demand, market structures, the role of the government, the role of financial institutions, economics stabilization and trade.

Economics continued:

2) Limited resources require people to make choices in their daily lives. The student will demonstrate understanding of that role with respect to supply, demand, and profits in a market economy.
3) Lastly students will understand the role of economic performance, money, stabilization policies and trade of the Unites States. (St # 1514)

8963 ECON 201 Principles of Macroeconomics
1semester, 1 high school credit – 3 college credits
Prerequisite: 2.6 GPA for Math only, Knowledge Assessment Test KAQR 55 or KSTEM = 50, ENGL 111
A descriptive and analytical study of fundamental concepts of national economics. It includes an analysis of the determination and fluctuations in national income and employment, monetary and fiscal policy, and international trade and finance. Economic analysis of monetary and fiscal policies is stressed. (St # 1574)

8964 ECON 202 Principles of Microeconomics
1 semester, 1 high school credit – 3 college credits
Prerequisite: 2.6 GPA for Math only, Knowledge Assessment Test KAQR 55 or KSTEM = 50, ENGL 111
A descriptive and analytical study of the market economy and how it allocates resources. Emphasis is placed on consumer behavior, market structure, pricing, and distribution and determination of wealth and income. (St # 1574)

8931/32 PSYCHOLOGY 101
Year, 2 high school credits – 3 college credits
Prerequisite: 2.60 GPA, Knowledge Assessment Test English = 70

The course focuses on biological foundations, learning processes, research methodologies, personality, human development and abnormal and social psychology. (St # 1574)

8546 U. S. GOVERNMENT 41
Semester, 1 credit
Prerequisite: None

United States Government allows students to study and evaluate the Constitution, Congress, the Executive, and Judicial branches of our national government. In addition students discuss and apply concepts relating to state and local government. Foreign relations will be emphasized in class. Students will critically use primary and secondary source documents to analyze and evaluate political issues. Students will study civil rights issues in a critical manner. Students will be encouraged to be active participants in the political process exercising their rights and responsibilities as citizens.

Government continued:

Students will understand the nature of citizenship and its role in politics and government. Students will be able to explain their rights and responsibilities in a constitutional representative democracy. Students will acquire knowledge pertaining to the United States Constitution, how it affects them as an individual or as a member of a larger societal group. Student recognition of the need for civic and political participation in order to preserve and improve their society and constitutional government will be gained. (St # 1540)

8510 U. S. GOVERNMENT, ADVANCED PLACEMENT
Semester, 2 credits
Prerequisite: B or higher in Honors English and A or higher in U. S. History

Government and Politic: United States, Advanced Placement is a course based on content established by the College Board. Topics include: (1) constitutional underpinnings of United States government, (2) political beliefs and behaviors, (3) political parties, interest group0s, and mass media, (4) institutions of national government, (5) public policy, and (6) civil rights and civil liberties. State and local government will also be covered. In order to receive a weighted grade for this course, a student must take the AP exam at the end of the course. (St # 1560)

8602-03 HUMAN GEOGRAPHY AP
Year, 2 credits
Prerequisite: None. Successful completion of World Geography, World History or Earth Science might help students with prior knowledge.

The AP Human Geography course introduces students to the systemic study of patterns and processes that have helped shaped human understanding, use, and alternation of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and application. (St # 1572)

ARCHITECTURE AND CONSTRUCTION

COURSES	CREDIT	YEAR OFFERED
5007/08 Principles of Construction Trades	2	9 10 11 12
5013/14 Construction Trades: General Carpentry	2	10 11 12
5017/18 Construction Trades: Framing and Finishing	2	11 12

5007/5008 Principles of Construction Trades
Year, 2 credits

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. (St # 7130)

Principles of Construction Trades continued:

- Recommended grade(s): 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

5013/5014 Construction Trades: General Carpentry
Year, 2 credits

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.
•Recommended Grade(s): 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

5017/5018 Construction Trades: Framing and Finishing
Year, 2 credits

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. (St # 7122)
•Recommended Grade(s): 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

ADVANCED MANUFACTURING

	Credits	Grade:			
5043/44 Principles of Advanced Manufacturing	**2**	**9**	**10**	**11**	**12**
5045/46 Advanced Manufacturing Technology	**2**		**10**	**11**	**12**

5034/5044 Principles of Advanced Manufacturing
Year, 2 credits

Principles of Advanced Manufacturing is a course that includes classroom and laboratory experiences in Industrial Technology and Manufacturing Trends. Domains include safety and impact, manufacturing essentials, lean manufacturing, design principles, and careers in advanced manufacturing. Hands-on projects and team activities will allow students to apply learning on the

Principles of Advanced Manufacturing continued:

latest industry technologies. Work-based learning experiences and industry partnerships are highly encouraged for an authentic industry experience. (St # 7108)
•Recommended Grade(s): 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
•Counts as a directed elective or elective for all diplomas

5045/5046 Advanced Manufacturing Technology
Year, 2 credits

Advanced Manufacturing Technology introduces manufacturing processes and practices used in manufacturing environments. The course also covers key electrical principles, including current, voltage, resistance, power, inductance, capacitance, and transformers, along with basic mechanical and fluid power principles. Topics include, types of production, production materials, machining and tooling, manufacturing planning, production control, and product distribution will be covered. Students will be expected to understand the product life cycle from conception through distribution. This course also focuses on technologies used in production processes. Basic power systems, energy transfer systems, machine operation and control will be explored. This course will use lecture, lab, online simulation and programming to prepare High School Course Titles and Descriptions 2022-2023 232 students for Certified Production Technician Testing through Manufacturing Skill Standards Council (MSSC).
(St # 7103)
•Recommended Grade(s): 10, 11, 12
•Required Prerequisites: Principles of 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

WORLD LANGUAGES

COURSES	CREDIT	YEAR OFFERED			
4411/12 Spanish I	**2**	**9**	**10**	**11**	**12**
4421/22 Spanish II	**2**		**10**	**11**	**12**
4435/36 Spanish III – IVY 101-102	**2**			**11**	**12**
4441/42 Spanish IV – IVY 102	**2**				**12**
4515-16 American Sign Language I	**2**	**9**			

Before a student registers for a World Language course, he/she must stop and consider his/her future plans and needs. The courses are designed to give the student good preparation for many careers, like business, translating, government, internal commerce and many more.

Plato classes in foreign languages will be for credit recovery only.
Student <u>may not</u> advance to the next level if Plato class has been taken in the foreign language.

4411/12 SPANISH I

Year, 2 credits
Prerequisite: At least a C+ in semester 1 English, 600 + score in 7th English ISTEP for Freshmen, and/or teacher permission

The essentials of the Spanish language are the core of this course. Listening, Speaking, reading and writing comprehension are developed through the study of grammar, vocabulary and Latin American and Spanish culture. This study emphasizes daily situations in the students' lives such as school, family, sports, food, clothing, travel and weekend activities using the present tense of Spanish verbs and vocabulary.

Students will develop an understanding of the people in the Latin American and Spanish cultures studied. They will respond to oral directions, read sentences, paragraphs and stories, participate in brief guided conversations, and present and perform skits. They will also write sentences, write paragraphs and complete projects in the language using the grammar and vocabulary. And lastly they will show a willingness to experience various aspects of a Spanish language and its culture. (St # 2120)

4421/22 SPANISH II
Year, 2 credits
Prerequisite: At least a C- in Spanish I, semester 1, or teacher recommendation

Spanish II is the next Spanish level after Spanish I for students that would like to continue in the Spanish program, but would prefer a more traditional and slower paced Spanish II experience. Spanish II and Spanish II Honors cover parallel concepts and content but Spanish II is structured to provide students with additional instructional and curricular opportunities as Spanish II has a slower pace than Spanish II Honors, but still maintains the same rigor and expectations as Spanish II Honors.
The second level of Spanish emphasizes the grammatical aspects of the language: especially the many tenses of the verb. The grammar is taught while learning more about Hispanic culture and traditions. Speaking and listening comprehension are stressed.
Students will be able to interact in a variety of situations to meet personal needs, read aloud with appropriate pronunciation, write briefly, be familiar with different aspects of the culture and participate in conversations on a variety of topics.
*Students taking Spanish II Regular are not able to receive an Honors Diploma nor are they allowed to continue to Spanish III. Spanish II Regular is just for students who are working on a Core 40 Diploma and need 2 years of a Foreign Language for college admissions requirements. (St # 2122)

4435/36 SPANISH III –Spanish Level I SPAN 101 -102 IVY

Year, 2 high school credits – 8 college credits
Prerequisite: At least a C- in Spanish II, first semester or teacher recommendation
Knowledge Assessment Test (101) English = 70, (102) Pass Span 101
The third year course is designed to upgrade the level of proficiency in the skills of pronunciation, vocabulary, grammar, fluency, and knowledge of the Spanish Culture. Situational and Dialogue completion Drills, and role Playing Exercises are some of the activities that allow the classroom "to become" that part of the world where the action takes place.
An introductory course in Spanish. Focuses on developing students' capacity to use the language and to appreciate Spanish-speaking cultures.
Emphasis is placed on skills of listening, speaking, reading, writing, and grammar acquisition. Students will read short literary selections, be able to describe different aspects of the culture studied, and write brief compositions. They will be able to initiate and participate in conversations. (St # 2124)

4441/42 SPANISH IV –Spanish Level III SPAN 201-202
Year, 2 high school credits – 6 college credits
Prerequisite: 2.6 GPA, Pass Span 102 and Span 201

Prerequisite: SPAN 101 -102 Spanish Level I or demonstrated competency in Spanish through appropriate assessment; demonstrated competency in reading and writing through appropriate assessment. Continues the study of Spanish for students who have had the equivalent of one semester of college-level Spanish. Introduces additional grammatical structures and vocabulary to further develop speaking, reading, writing and listening skills as well as an appreciation of the cultures of the Spanish-speaking world

4515-16 AMERICAN SIGN LANGUAGE I
Year, 2 credits
Prerequisite: 9th grade: At least a C- in semester 1 English 8

American Sign Language I is a course that introduces students to American Sign Language (ASL) and the deaf community. The course focuses on frequently used signs through a functional-notional approach, and discusses cultural features of the deaf community. Emphasis is placed on development of receptive and expressive language skills. Through this course, students are given the opportunity to develop visual acuity; follow brief verbal instructions; understand short statements, questions, and dialogues; develop short descriptions with guidance; begin to understand the current GLOSSING system used to write ASL; and examine other methods developed to write ASL, including Sign Writing. Students also learn to recognize the difference between the pathological and psychological definitions of deafness, recognize the widespread use of ASL throughout the United States, and develop an understanding of the relationship between languages and cultures as a whole. (St # 2156)
•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