#BronchoNation

2020-2021

Jefferson High School
Curriculum Handbook

Table of Contents

ABBREVIATIONS USED IN COURSE TITLES:

A - Academic
AP – Advanced Placement
CP – College Prep
H – Honors
OTP – Occupational Tech Prep

This booklet contains a brief description of curriculum offered at Jefferson High School. It has been designed to acquaint you and your parents with the courses offered in all departments. As you prepare to enroll, use this booklet to check graduation requirements, to check the prerequisites for courses you are interested in taking, and to plan your program of study. Your course selections will be finalized with your school counselor. **Please note that all courses listed throughout the Handbook are available for the 2020-2021 school year as of 10/18/2019, but are subject to change.**

GUIDANCE

Students may meet with their counselor before or after school or during Study Hall. Students should send an email to their counselor requesting a meeting. Visit the Jefferson High School Website at lafayettjeff.org > departments > guidance > guidance staff directory.

Students with last name:		
A-De	Mrs. Ziembo	hziembo@lsc.k2.in.us
Di-I	Mr. Crum	tcrum@lsc.k12.in.us
J-Ne	Mrs. Condreay	lcondreay@lsc.k12.in.us
Ni-Su	Mrs. Myers	kjmyers@lsc.k12.in.us
Sw-Z & ENL	Mrs. Valle	avalle@lsc.k12.in.us
TOR Students	Ms. Clark	gclark@lsc.k12.in.us

1. ACADEMIC COUNSELING
Counselors keep a detailed record of every student's academic progress toward graduation. Counselors give assistance in course selection and planning toward a student's career and/or educational goals. Each student will have at least one conference with his/her counselor per year to review his/her educational plan and select classes.

2. CAREER/TECHNICAL EDUCATION COUNSELING
Counselors assist students in college and career/technical education school selection; choosing college majors; disseminating financial aid information; and processing applications for colleges, career/technical education schools, and scholarship programs.

3. PERSONAL COUNSELING
Counselors are available to help students with their personal and social needs. They are qualified to make referrals to different community service providers and to recommend support groups at the high school.

The counselors at Jefferson High School work as a team and will assist any student as the need arises. Counselors encourage parents to be involved with their students' education. Counselors are available to speak with parents during normal school hours and/or by special appointment. Parents are asked to call the Guidance Office (student's counselor) for an appointment.

GRADUATION REQUIREMENTS (CLASS OF 2020, 2021, AND 2022)

To earn an Indiana Diploma, students in the graduating classes of 2020-2022 must:

1. Meet course and credit requirements for one (1) of the following Indiana High school Diploma designation options:
    - Core 40 designation;
    - Academic Honors designation;
    - Technical Honors designation;
    - General designation (Note: students must opt-out of the Core 40 Diploma designation upon parent request in order to earn the General designation).

AND

2. Pass the Graduation Qualifying Exam (GQE), which for these students is the ISTEP+ Grade 10 in English/Language Arts and Math, OR complete the Graduation Pathways as indicated under the "Graduation Requirements for the Class of 2023 and Beyond" (see next section heading).

GRADUATION REQUIREMENTS (CLASS OF 2023 AND BEYOND)

Beginning with the graduating class of 2023, Indiana high school students must satisfy ***all three*** of the following Graduation Requirements:

1. Earn one (1) of the following Indiana High school Diploma designation options:
    - Core 40 designation;
    - Academic Honors designation;
    - Technical Honors designation;
    - General designation (Note: students must opt-out of the Core 40 Diploma designation upon parent request in order to earn the General designation).
2. Learn and Demonstrate one (1) of the following Employability Skills options:
    - Completion of a project-based learning experience;
    - Completion of a service-based learning experience;
    - Completion of a work-based learning experience.

AND

3. Demonstrate at least one (1) of the following Postsecondary-Ready Competencies:
    - Honors designation: Fulfill all requirements of either the Academic or Technical Honors designation;
    - ACT: Earn the college-ready benchmark scores;
    - SAT: Earn the college-ready benchmark scores;
    - Armed Services Vocational Aptitude Battery (ASVAB): Earn at least a minimum Armed Forces Qualification Test (AFQT) score to qualify for placement into one of the branches of the US military;
    - State- and Industry-recognized Credential of Certification;
    - Federally-recognized Apprenticeship;
    - Career-Technical Education Concentrator: Earn a C average or higher in at least six (6) high school credits in a career sequence;
    - AP/International Baccalaureate/Dual Credit/Cambridge International course or College Level Examination Program (CLEP) Exams: Earn a C average or higher in at least three (3) courses;
    - Locally Created Pathway developed in accordance with the framework adopted by the SBOE and is approved by the SBOE.

Every student at Jefferson High School follows the Core 40 course of study. When Core 40 was established by the Indiana General Assembly in 1994, it was mandated that the State Board of Education adopt a technology preparation and a college preparation curriculum. As a result, the state Board of Education along with the Commission of Higher Education and Indiana colleges and universities have agreed upon the courses that students must take in order to be prepared for both higher education and the workplace. This group of courses is called Indiana's Core 40 (see page 3 for details).

When selecting a program of study, students and parents should work closely together. This is a critical time in a student's career. The decisions students make in high school will impact their future endeavors and career choices. Your school counselor is a valuable resource in helping you to make these decisions and to refine your program of study throughout your four years at Jefferson High School.

Listed below are factors you should consider when selecting your program of study:

1. Previous academic preparation
2. Previous ISTEP scores and other achievement and aptitude test scores
3. Teacher and counselor recommendations
4. Your future goals and career objectives
5. Weighted credit is awarded for Honor Courses, Advanced Placement Courses, and approved college-level courses

Jefferson High School encourages every student to attempt the most rigorous program of study in which they feel they can be successful. The more rigorous, the more opportunities the student will have available after graduation from high school.

DIPLOMA DESIGNATIONS

The Indiana General Assembly made completion of the Indiana Diploma with Core 40 designation a requirement for all students beginning with those who entered high school in the fall of 2007. The law includes an opt-out provision for parents who determine their students could benefit more from the Indiana Diploma with General designation. This designation can be discussed with a high school counselor.
Please see the complete diploma chart on page 7 to view the Core 40 designation, Academic Honors designation, and Technical Honors designation, or visit:
https://www.doe.in.gov/sites/default/files/student-assistance/core-40-and-honors-diploma-summary-class-2016-updated-june-2018.pdf

Academic Honors Diploma

To earn an Academic Honors Diploma, a student is required to earn 47 credits. Only courses in which the student has earned a "C" grade or higher may be counted toward this diploma. The student must also maintain a cumulative grade point average of at least 3.0 on a 4.0 scale. The courses selected by students following this program of study should be the most academically challenging.

For specific courses required for the Academic Honors Diploma, refer to the chart on the following pages. or visit:
https://www.doe.in.gov/sites/default/files/ccr/core-40-and-honors-diploma-summary-class-2016-final-revised-september-2017.pdf

Technical Honors Diploma

To earn a Technical Honors Diploma, a student is required to earn 47 credits. Only courses in which the student has earned a "C" grade or higher may be counted toward this diploma. The student must also maintain a cumulative grade point average of at least 3.0 on a 4.0 scale. Students must earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and a state approved industry recognized certification or 6 transcribed approved pathway dual credits. Your counselor can give you more information on these certification requirements. , which can be found at:
https://www.doe.in.gov/sites/default/files/ccr/core-40-and-honors-diploma-summary-class-2016-final-revised-september-2017.pdf

COURSE REGISTRATION AND SCHEDULE CHANGES

Guidance counselors meet with every student during the school year to request classes for the following year. During the selection process, parents/guardians are encouraged to communicate with their student and his/her counselor about the selected courses. The Curriculum Handbook and a complete course listing can be found on the JHS guidance website. Revisions to the student's course selection may be made until the JHS master scheduling deadline (February). This is very important because sections of courses are offered, teachers are scheduled, and class averages are determined based upon these student requests. Therefore, changes in individual schedules may have a negative impact on the overall JHS schedule. Once a schedule is in place, the student will need to QUALIFY to make further changes.

PLEASE UNDERSTAND - COURSE CHANGES CANNOT BE GRANTED FOR REASONS SUCH AS TEACHER PREFERENCE, LUNCH PREFERENCE, FRIENDS' SCHEDULES, OR CONVENIENCE.

1. All students are expected to take a full course load consisting of 7 or 8 credit hours, unless specified on their IEP. Requests for exceptions due to hardship or medical restrictions may be addressed by the student's counselor and/or administrator.
2. Students with qualifying reasons may make schedule changes through the fifth day of the semester. After that, NO schedule changes will be permitted without administrative approval. Students who request to drop a class after the fifth day of the semester must have administrative approval and, except in extenuating circumstances, will be removed with the grade W/F (withdraw-fail).

   Schedule changes QUALIFY for the following reasons:
   - Failure of a course required for graduation
   - Failure to meet course prerequisites
   - Medical reasons with documentation
   - Errors made by the school
   - Addition of a required course for graduation
   - Changes for students in the GLASS program per TOR
   - Addition of a scouting period for those who qualify
   - A level change (see next section)

3. A schedule change may be requested by visiting the Jefferson website at lafayettejeff.org > departments > guidance > request a schedule change.
4. Completely re-arranging a student's schedule rarely works. Students should plan to replace the class they choose to drop with a different class that is offered during the same time slot as the class they are dropping or during the student's current study hall.

DROPPED CLASSES

Students may drop a class to pick up a study hall or scouting position within the first 5 days of the semester. Any course dropped for any reason, other than for medical, after that point will be transcribed as an attempted credit with a failing grade (W/F).

GRADE POINT AVERAGE (GPA)

To compute the GPA, the total number of grade points earned is divided by the total number of credits attempted (not the total number of credits earned). Averages are figured cumulatively, meaning the total points for all semesters of school work are divided by the total credits attempted for all semesters. The scale for all standard courses is outlined below.

Jefferson High School offers honors level and Advanced Placement (AP) courses that use a weighted grading system to recognize and reward academic work in these rigorous course selections. The weight given for courses of this nature are outlined below.

Letter Grade	Standard Course Grading Scale	Standard Course Point Value	Honors/AP Course Grading Scale	Honors/AP Course Point Value
A+	Not Applicable	Not Applicable	90-100%	5.0
A	90-100%	4.0	80-89%	4.0
B	80-89%	3.0	70-79%	3.0
C	70-79%	2.0	Not Applicable	Not Applicable
D	60-69%	1.0	60-69%	1.0
F	59% and below	0	59% and below	0

GRADE REPLACEMENTS

Students may either want or need to retake classes in which they have received a low grade. The following procedure explains how retaken classes will be handled for transcription and GPA purposes.

1. Beginning with the class of 2022, courses in which the student has received a semester grade of C or below may be repeated to replace a grade.
2. In order to replace a grade, the exact course must be retaken. For example, if a student earned a C or below in Chemistry H, the only Chemistry H may be used to replace that grade. Any other version of Chemistry will count as a new course and will NOT be used to replace any other Chemistry course's grade. The original grade will remain on the transcript, but will not be used toward G.P.A. calculation.
3. Beginning with the class of 2022, an AP or Honors course may not be repeated through any outside institution for a grade replacement.
4. Once a course has been completed with a grade higher than the previous attempt, the old grade will be replaced.

SIX AND SEVEN SEMESTER (MIDTERM) GRADUATES

It is possible for a student to graduate from high school in six or seven semesters.

1. Students eligible to be seven semester graduates may participate in a January commencement, where they will receive their diploma. Students will have a choice to participate in the January or May/June Commencement Ceremony.
2. If a student wishes to graduate in six or seven semesters, the following criteria apply:
    A. All requirements for graduation must be completed by the end of their sixth semester for six semester graduates and by the end of their seventh semester for seven semester graduates. For six semester graduates, this includes passage of the ISTEP+ Grade 10 in English/Language Arts and Math, OR completion of the Graduation Pathways as indicated under the "Graduation Requirements for the Class of 2023 and Beyond." Six semester graduates are NOT eligible to receive a waiver of any kind for incomplete requirements and will NOT be permitted to participate in Commencement.

LEVEL CHANGE POLICY

Occasionally students will discover that they have enrolled in a class that is significantly more difficult than they can successfully complete. In these instances, it may be possible to change the level of a course during the semester that is in progress. This change is defined as a level change. Note: *A move from Chemistry or Physics to Integrated Chemistry/Physics (ICP) is a course change, but will follow the same procedures outlined in the level change policy.
The following procedure will be used in order for a student to complete a level change:

1. The level change request must occur within the first 5 weeks of the semester.
2. The student must receive a copy of the "Parent Permission for Change of Subject Levels" form. The form can be obtained from the student's teacher or counselor.
3. The student must have a conversation with the teacher with which they are currently enrolled and are recommended to have a conversation with their counselor, as these will be important factors in deciding if a level change is necessary. It is important that the counselor and parent are aware of the teacher's recommendation, either for or against the level change, in order to make the best decision for the student. (This is a teacher recommendation only and does not constitute permission or denial on the teacher's part).
4. The student must receive a signature from both the teacher and the counselor (in either order), followed by a signature from their parent.
5. Once the parent has signed the form, the form must be returned to the student's counselor and he/she will make the necessary schedule updates.

If the level change is granted, the student must remain in that new level for the remainder of the school year. The student's grade-in-progress will travel with the student to the new course and may be used to calculate the grade in the new course. Upon completion of the semester, the transcript will list the course completed.

INCOMPLETE GRADES

Nine-week grades are to be made up by the end of the first two weeks of the next grading period. Semester grades are to be made up by the end of the first two weeks of the next semester. After the deadlines, incomplete grades become "F's." Students who have been absent during final assessment week receive failing grades. Students must make up the assessment by the end of the 2nd week of the new semester or the grade remains an "F." The final assessments missed by such an absence may not be taken early. Students who, due to vacations, miss final assessment projects which cannot be made up may receive failing grades for those projects. Students whose absences during final assessments are unexcused will receive failing grades. Students who have excessive absences throughout the semester may fail

SEMESTER GRADES

Only semester grades are recorded on the permanent record/transcript. Credits are based on semester grades.

WEIGHTED GRADES (BEGINNING WITH THE CLASS OF 2021)

Jefferson high school has weighted courses, which helps determine class rank, Valedictorian and Salutatorian. Weighted courses are listed in the JHS curriculum guide. Accredited courses not listed in the JHS curriculum guide will receive credit towards graduation but will not receive weighted grade credit. This includes, but is not limited to, AP online courses, college courses, etc. Students transferring to Jefferson High School from another high school will only receive weighted grade credit for transferring grades of courses listed as such in the JHS curriculum guide.

HOMESCHOOLED STUDENTS

Homeschooled students attending Jefferson HS may take a maximum of three classes per semester. Otherwise, homeschooled students shall receive all the academic benefits, under the control of Jefferson HS, as that of fulltime JHS students. Homeschooled students, because they are not graduates of Jefferson HS, will not participate in Jefferson commencement ceremonies.

INDIANA

CORE 40

Effective beginning with students who enter high school in 2012-13 school year (class of 2016).

Course and Credit Requirements

English/ Language Arts	**8 credits**
	Including a balance of literature, composition and speech.
Mathematics	**6 credits (in grades 9-12)**
	2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II *Or complete Integrated Math I, II, and III for 6 credits.* *Students must take a math course or quantitative reasoning course each year 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 and Technical Education
Physical Education	**2 credits**
Health and Wellness	**1 credit**
Electives*	**6 credits** (College and Career Pathway courses recommended)

40 Total State Credits Required

Schools may have additional local graduation requirements that apply to all students (not required for students with an IEP).

* 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 and Career Pathway (selecting electives in a deliberate manner) to take full advantage of career and college exploration and preparation opportunities.

**SAT scores updated September, 2017

***WorkKeys assessment titles updated, 2018

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

For the **Core 40 with Academic Honors** designation, 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 <u>one</u> of the following:
  - A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
  - B. Earn 6 verifiable transcripted college credits in dual credit courses from the approved dual credit list.
  - C. Earn two of the following:
    1. A minimum of 3 verifiable transcripted college credits from the approved dual credit list,
    2. 2 credits in AP courses and corresponding AP exams,
    3. 2 credits in IB standard level courses and corresponding IB exams.
  - D. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section.**
  - 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** designation, 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 approved dual credit list resulting in 6 transcripted college credits
- Earn a grade of "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete <u>one</u> of the following,
  - A. Any one of the options (A - F) of the Core 40 with Academic Honors
  - B. Earn the following minimum scores on WorkKeys: Workplace Documents, Level 6; Applied Math, Level 6; and Graphic Literacy, 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.

GRADUATION PATHWAYS

(Updated 11/16/2018)

The purpose for this Panel is to establish graduation pathway recommendations for the State Board of Education that create an educated and talented workforce able not just to meet the needs of business and higher education, but able to succeed in all postsecondary endeavors. To account for the rapidly changing, global economy, every K-12 student needs to be given the tools to succeed in some form of quality postsecondary education and training, including an industry recognized certificate program, an associate's degree program, or a bachelor's degree program.
These recommendations seek to ensure that every Hoosier student graduates from high school with 1) a broad **awareness** of and **engagement** with individual career interests and associated career options, 2) a strong foundation of **academic** and **technical skills**, and 3) **demonstrable employability skills** that lead directly to meaningful opportunities for postsecondary education, training, and gainful employment. Students in the graduating class of 2023 must satisfy all three of the following Graduation Pathway Requirements by completing one of the associated Pathway Options:

Graduation Requirements	Graduation Pathway Options
1) High School Diploma	Meet the statutorily defined diploma credit and curricular requirements.
2) Learn and Demonstrate Employability Skills[1] (Students must complete *at least one* of the following.)	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by one the following: • **Project-Based Learning Experience**; OR • **Service-Based Learning Experience**; OR • **Work-Based Learning Experience.[2]**
3) Postsecondary-Ready Competencies[3] (Students must complete *at least one* of the following.)	• **Honors Diploma**: Fulfill all requirements of either the Academic or Technical Honors diploma; OR • **ACT**: College-ready benchmarks; OR • **SAT**: College-ready benchmarks; OR • **ASVAB**: Earn at least a minimum AFQT score to qualify for placement into one of the branches of the US military; OR • **State- and Industry-recognized Credential or Certification;** OR • **Federally-recognized Apprenticeship**; OR • **Career-Technical Education Concentrator[4]:** Must earn a C average in at least two non-duplicative advanced courses (courses beyond an introductory course) within a particular program or program of study; OR • **AP/IB/Dual Credit/Cambridge International courses[5] or CLEP Exams:** Must earn a C average or higher in at least three courses; OR • **Locally created pathway** that meets the framework from and earns the approval of the State Board of Education.

JEFFERSON HIGH SCHOOL CAREER PATHWAYS

DRAFT
10/14/19

Graduation Class Of 2020-2022

The preferred sequence for each pathway is as listed. Additional courses in the pathway may also be taken. To complete a pathway, at least 6 credits must be earned in that pathway.

Architecture and Construction

	Cr
Architectural	
J - Computers in Design & Production	2
J - Intro to Housing & Interior Dsn	1
J - Intro to Engineering Design	2
J - Principles of Engineering	2
Construction Trades	
J - Introduction to Construction	2
G - Construction Trades I	4
G - Construction Trades II	4
HVAC	
J - Introduction to Construction	2
O - Construction Technology HVAC I	6
G - Construction Trades II	4

Arts, AV Technology & Communication

	Cr
Fashion and Textiles	
J - Intro to Fashion and Textiles	2
J - Fashion and Textiles I	2
J - Fashion and Textiles II	2
OR	
J - Work Based Learning Capstone (may be necessary to earn full 6 credits)	6
Radio/TV	
J - Radio and Television I	2-4
J - Radio and Television II	2-4

Business and Marketing

	Cr
Accounting and Finance	
(These courses may be taken in any sequence as long as prerequisites are met and 6 credits are earned)	
J - Digital Apps and Responsibility	2
J - Introduction to Business	1
J - Introduction to Accounting	2
J - Business Law and Ethics	2
J - Principles of Business Management	2
J - Entrepreneurship & New Ventures Capstone	2
Business Management	
(These courses may be taken in any sequence as long as prerequisites are met and 6 credits are earned)	
J - Introduction to Business	1
J - Introduction to Accounting	2
J - Business Law and Ethics	2
J - Principles of Business Management	2
J - Principles of Marketing	2
J - Entrepreneurship & New Ventures Capstone	2
Entrepreneurship	
(These courses may be taken in any sequence as long as prerequisites are met and 6 credits are earned)	
J - Digital Apps and Responsibility	2
J - Introduction to Business	1
J - Business Law and Ethics	2
J - Principles of Business Management	2
J - Introduction to Accounting	2
J - Principles of Marketing	2
J - Entrepreneurship & New Ventures Capstone	2
Marketing Management	
(These courses may be taken in any sequence as long as prerequisites are met and 6 credits are earned)	
J - Business Law and Ethics	2
J - Digital Apps and Responsibility	2
J - Introduction to Business	1
J - Principles of Business Management	2
J - Principles of Marketing	2

Education and Training

	Cr
Education Careers	
J - Child Development	1
J - Advanced Child Development	1
J - Interpersonal Relationships	1
G - Education Professions I	6
Additional courses	
G - Education Professions II	6
J - Interpersonal Relationships	1

Health Science

	Cr
Nursing - CNA	
J - Medical Terminology	2
J - Anatomy & Physiology	2
J - Health Science Education I	2
OR	
G - Health Science Education I (Includes A&P and Med Terminology)	6
O - Heath Science Education II: Nursing	6
Additional courses	
J - Nutrition and Wellness	1
J - Interpersonal Relationships	1
J - Child Development	1
Cosmetology	
O - Cosmetology I	6
O - Cosmetology II	6
Additional Courses	
J - Introduction to Business	1
J - Interpersonal Relationships	1
J - Nutrition and Wellness	1
J - Advanced Nutrition & Wellness	1
Culinary Arts	
J - Nutrition and Wellness	1
J - Advanced Nutrition & Wellness	1
J - Intro to Culinary Arts and Hospitality	2
J or G - Culinary Arts & Hosp. I	4-6
Additional Courses	
G - Culinary Arts and Hospitality II: Culinary Arts	6
J - Interpersonal Relationships	1

Location Key:
J – Jefferson High School
G – Greater Lafayette Career Academy
O – Off-site

Information Technology — Cr

Computer Science

J - Intro to Computer Science	1
J - Computer Science I	2
G - Computer Science II	6
Additional Courses	
J - Digital Applications & Responsibility	2

IT Support

J - Information Tech Support	2-6
J - IT Support Capstone	2-6
Additional Courses	
G – Networking I	6
J - Computer Science I	2
J - Digital Applications & Responsibility	2

Networking

J - Information Tech Support	2-6
G - Networking I	6
G - Networking II: Cybersecurity	6
Additional Courses	
J - Intro to Computer Science	1
J - Computer Science I	2
J - Digital Applications & Responsibility	2

Manufacturing and Engineering — Cr

Advanced Manufacturing

J - Computers in Design & Production	2
J - Intro to Adv Manufacturing	2
J - Advanced Manufacturing I	2
J - Advanced Manufacturing II	2
Additional Courses	
J - Intro to Engineering Design	2
J - Principles of Engineering	2

Engineering PLTW

J - Intro to Engineering Design	2
J - Principles of Engineering	2
G - Aerospace Engineering and Engineering Design & Development	6
OR	
G - Civil Engineering & Architecture and Engineering Design & Development	6

Welding

J - Computers in Design & Production	2
J - Intro to Adv Manufacturing	2
O - Welding Technology I	6
Additional Courses	
J - Intro to Engineering Design	2

Public Safety — Cr

Criminal Justice

G - Criminal Justice I	6
G - Criminal Justice II	6
Additional Courses	
J - Interpersonal Relationships	1

EMT/Paramedic

G - Health Science Education I (Includes A&P and Med Terminology)	6
O - Emergency Medical Services	6

Fire and Rescue

O - Fire and Rescue I	6
O - Emergency Medical Services	6
Additional Courses	
J - Interpersonal Relationships	1

Auto Technology

J - Introduction to Transportation	2
J - Auto Services Technology I	2
J - Auto Services Technology II	2

Work Based Learning Capstone

Credits from any one pathway	4
WBL Capstone	6
-Paid employment in same pathway required	

Location Key:
J – Jefferson High School
G – Greater Lafayette Career Academy
O – Off-site

JEFFERSON HIGH SCHOOL CAREER PATHWAYS

DRAFT 10/3/19

2023-2025

The preferred sequence for each pathway is as listed. To be a Concentrator in a pathway both BOLD courses must be taken.

Architecture and Construction

	Cr
Construction Trades	
J - Introduction to Construction	2
G - Construction Trades I	4
G - Construction Trades II	4

Arts, AV Technology & Communication

	Cr
Fashion and Textiles	
J - Fashion and Textiles I	2
J - Fashion and Textiles II	2
Radio/TV	
J - Radio and Television I	2
J - Radio and Television II	2

Business

	Cr
Accounting and Finance	
J - Introduction to Accounting	2
J - Principles of Business Management	2
J – Advanced Accounting	2
Business Management	
J - Introduction to Business	1
J - Principles of Business Management	2
J - Entrepreneurship & New Ventures Capstone	2
Marketing Management	
J - Introduction to Business	1
J - Principles of Marketing	2
J - Entrepreneurship & New Ventures Capstone	2

Education and Training

	Cr
Education Careers	
J - Child Development	1
J - Advanced Child Development	1
G - Education Professions I	6
G - Education Professions II	6

Health Science

	Cr
Nursing - CNA	
J - Medical Terminology	2
J - Anatomy & Physiology	2
J - Health Science Education I	2
OR	
G - Health Science Education I (Includes A&P and Med Terminology)	6
G - Heath Science Education II: Nursing	6

Hospitality and Human Services

	Cr
Cosmetology	
O - Cosmetology I	6
O - Cosmetology II	6
Culinary Arts	
J - Nutrition and Wellness	1
J - Advanced Nutrition & Wellness	1
J - Intro to Culinary Arts and Hospitality	2
J or G - Culinary Arts & Hosp. I	4-6
Additional Courses	
G - Culinary Arts and Hospitality II: Culinary Arts	6
Computer Science	
J - Intro to Computer Science	1
J - Computer Science I	2
G - Computer Science II	6
Networking	
J - Information Tech Support	2-6
G - Networking I	6
G - Networking II: Cybersecurity	6

Manufacturing and Engineering

	Cr
Advanced Manufacturing	
J - Computers in Design & Production	2
J - Intro to Adv Manufacturing	2
J - Advanced Manufacturing I	2
J - Advanced Manufacturing II	2
Engineering PLTW	
J - Intro to Engineering Design	2
J - Principles of Engineering	2
G - Aerospace Engineering and Engineering Design& Development	6
OR	
G - Civil Engineering & Architectureand Engineering Design& Development	6
Welding	
G - Welding Technology I	6
G - Welding Technology I	6

Public Safety

	Cr
Criminal Justice	
G - Criminal Justice I	6
G - Criminal Justice II	6
EMT/Paramedic	
G - Health Science Education I (Includes A&P and Med Terminology)	6
O - Emergency Medical Services	6
Fire and Rescue	
O - Fire and Rescue I	6
O - Emergency Medical Services	6
Auto Technology	
J - Auto Services Technology I	2
J - Auto Services Technology II	2

Work Based Lerning

	Cr
Work Based Learning, Multiple Pathways	
Credits from any one pathway	4
WBL, Multiple Pathways -Paid employment in same pathway required	6

Key:

J – Jefferson High School
G – Greater Lafayette Career Academy
O – Off-site
BOLD – Concentrator Courses

DUAL CREDIT COURSES AT JEFFERSON HIGH SCHOOL

Complete high school and college credits at the same time!

Indiana Department of Education, Ivy Tech Community College, Vincennes University, and Jefferson High School (JHS) have worked together to develop opportunities for high school students to enroll in courses at JHS and these colleges simultaneously in order to earn high school and college credit concurrently. Through this dual credit arrangement, students may earn college credit at the same time they earn high school credit without a need to physically attend on-campus classes. Consequently, students may earn a jump-start on their college education before graduating from high school, potentially saving students time and money in completing college programs. In addition, students may fulfill requirements of the Core 40 with Academic Honors Diploma or the Core 40 with Technical Honors Diploma through dual credit completion. Prior to enrollment in dual credit, students must first complete any prerequisite courses and meet any other Prerequisite requirements, such as attaining minimal scores on college entrance examinations, within the required guidelines of enrollment for each dual credit course. For Ivy Tech dual credit, there is no cost to the high school student. **The courses listed below were available for dual credit at the time of this handbook's publication, based on the crosswalk, and are subject to change. High school counselors will have the most current dual credit course information as it becomes available.**

	JHS Course	JHS Sem.	College Course I = Ivy Tech V = Vincennes	College Credit Hrs.
ART	4082 Digital Design	2	I VISC 115 Intro to Computer Graphics (this course does not count as dual credit for AHD or THD)	3
BUSINESS	4801 Computer Science I	2	I SDEV 120 Computing Logic	3
	5236 Computer Science II	1-3	I SDEV 140 Introduction to Software Development	3
CTE	5608 Adv Manufacturing I	2	I ADMF 101 Key Principles of Adv Mftg	3
	5606 Adv Manufacturing II	2	I ADMF 102 Technology in Adv Mftg	3
	5640 Arch Drafting & Design	3	I DESN 101 Intro to Design Technology I DESN 113 2-D Computer Aided Design	3 3
	5510 Auto Service Tech I	2	I AUTI 100 Basic Automotive Service I AUTI 111 Electrical Systems I AUTI 121 Brake System I AUTI 122 Steering & Suspension	3 3 3 3
	5546 Auto Services Tech II	2	I AUTI 131 Engine & Performance Systems I I AUTI 141 Engine Fundamentals & Repair	3 3
	5496 Construction Tech: HVAC I	3	I HVAC 101 Heating Fundamentals I HVAC 103 Refrigeration I I HVAC 208 Heating Services I HVAC 211 Refrigeration II	3 3 3 3
	5802 Cosmetology I 5806 Cosmetology II	12	V COSM 100 Cosmetology I V COSM 150 Cosmetology II V COSM 200 Cosmetology III	7 7 7
	5822 Criminal Justice I	3	I CRIM 101 Intro to Criminal Justice Systems I CRIM 103 Cultural Awareness I CRIM 105 Intro to Criminology I CRIM 110 Intro to Law Enforcement	3 3 3 3
	5824 Criminal Justice II	3	I CRIM 120 Intro to Courts I CRIM 130 Intro to Corrections	3 3
	5210 EMS	4	I PHARM 102 Emergency Medical Technician I HSPS 125 Emergency Medical Responder	7.5 3
	5820 Fire & Rescue I	4	I HSPS 106 Fire Suppression I HSPS 165 Fire Fighter I I HSPS 167 Fire Fighter II I HSPS 121 Hazmat Awareness & Operations	3 3 3 3
	5282 Health Sci Ed I 5274 Medical Terminology 5276 Anatomy & Physiology	6	I HLHS 100 Introduction to Health Careers I HLHS 101 Medical Terminology I APHY 101 Anatomy & Physiology	3 3 3
	5284 Health Sci Ed II: Nursing	6	I HLHS 107 CNA Preparation	5
	5230 IT Support	1-2	V CMET 140 Computer Maintenance I V CMET 185 Computer Maintenance II V CMET 215 Computer Maintenance III	3 3 3
	5274 Medical Terminology	2	I HLHS 101 Medical Terminology	3
	5234 Networking I	3	V To be determined	TBD
	5245 Networking II: Cyber	1-3	V To be determined	TBD
	5231 IT Support Capstone	1-3	V To be determined	TBD
	5776 Welding Technology	6	I WELD 108 Shielded Metal Arc Welding I	3

ETE	4820 CEA PLTW	2	☒ DESN 105 Architectural Design	3
	4812 IED PLTW	2	☒ DESN 101 Intro to Design Technology	3
	4814 POE PLTW	2	☒ DESN 104 Mechanical Graphics	3
FACS	5440 Culinary Arts I-1	1	☒ HOSP 101 Sanitation and First Aid	2
	5440 Culinary Arts I-2	1	☒ HOSP 102 Basic Food Theory and Skills	3
Math	2527 Calculus	2	☒ MATH 211 Calculus I	4
	2530 Finite Math	2	☒ MATH 135 Finite Math	3
	2564 Pre-Calculus Pre-Calculus H	1	☒ MATH 136 College Algebra	3
	2566 Trigonometry Trigonometry H	1	☒ MATH 137 Trigonometry with Analytical Geometry	3
Science	3090 Advanced Science, College Credit (L) Chemistry	2	☒ CHEM 105 General Chemistry 1 ☒ CHEM 106 General Chemistry II	10
	5276 Anatomy & Physiology	2	☒ APHY 101 Anatomy & Physiology	3
	3090 Advanced Science, College Credit (L) Physics	2	☒ PHYS 101 Physics I	4
World Languages	2024 French III	2	☒ FREN 101 French Level I ☒ FREN 102 French Level II	4 4
	2026 French IV	2	☒ FREN 201 French Level III ☒ FREN 202 French Level IV	3 3
	2124 Spanish III	2	☒ SPAN 101 Spanish Level I ☒ SPAN 102 Spanish Level II	4 4
	2126 Spanish IV	2	☒ SPAN 201 Spanish Level III ☒ SPAN 202 Spanish Level IV	3 3

GREATER LAFAYETTE CAREER ACADEMY
CAREER/TECHNICAL EDUCATION PROGRAMS

The Lafayette School Corporation (LSC) is a member of the Greater Lafayette Career Academy (GLCA), a joint venture of the public schools in Tippecanoe County. GLCA offers career/technical education programs in which students from any of the member school corporations may participate.

All GLCA programs offer dual credits and industry certifications. Detailed program information can be found in the GLCA Program Description Guide at **www.GLCareerAcademy.com.**

Students must complete enrollment through their high school counselor for participation in the GLCA programs by the end of first semester in the school year prior to intended participation. Acceptance for enrollment is based upon a review of appropriate prerequisites courses as well as academic, attendance, and discipline records. Students approved for enrollment in these programs spend approximately half of each day at Jefferson High School and the other half of each day at the career/technical site. Signed parent permission and agreement forms are required for each of these programs. Acceptance into and enrollment in a GLCA program is a year-long commitment (no mid-term graduates).

Students enrolled in area career programs are required to follow the GLCA Calendar and Schedule, these may differ somewhat from the Jefferson High School calendar and daily schedule.

Students selected for enrollment in these programs must remain in good academic standing at Jefferson High School in order to continue enrollment in subsequent semesters. This means the student must maintain regular attendance in all classes according to the school's attendance policy, maintain a discipline record without serious infractions, and demonstrate progress in passing all classes. Continuing enrollment is always at the discretion of Jefferson High School officials. **Students are not permitted to attend GLCA programs on days when absent from classes at Jefferson High School unless special circumstances are approved.**

ART

Students taking any art course at Jefferson High School will engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production in addition to the course-specific experiences which will lead to portfolio quality work.

Foundation Arts:
(required of any student interested in taking upper level art courses listed separately below)

Introduction to Two-Dimensional Art
Advanced Two Dimensional Art

INTRODUCTION TO TWO-DIMENSIONAL ART

1 semester course, 1 credit, offered 1st semester – *Prerequisites: None*
(DOE Course Code: 4000)

A major emphasis will be devoted to the study and application of basic drawing and design skills and the elements and principles of art.

ADVANCED TWO-DIMENSIONAL ART

1 semester course, 1 credit, offered 2nd semester – *Prerequisites: Passing grade in Introduction to Two-Dimensional Art* (DOE Course Code: 4004)

Students in *Advanced Two-Dimensional Art* build on the sequential learning experiences of *Introduction to Two-Dimensional Art*. A comprehensive study of art history is covered this term as well as the study of related artists utilized during each lesson. A major emphasis is devoted to the study and application of color theory and the elements and principles of art.

Upper Level Art Courses: (Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art are required prerequisites)

Historical Art:
- Art History

Three-Dimensional Art:
- Ceramics I
- Ceramics II
- Fiber Arts I
- Fiber Arts II
- Jewelry I
- Sculpture I

Two-Dimensional Art:
- Drawing I
- Drawing II
- Painting I
- Painting II
- Photography I
- Photography II
- Printmaking

Visual Design:
- **I-I** Digital Design

AP Studio Art:

Requires Instructor Approval

	Grade Level
AP Studio Art Drawing: Honors **I-I VISC 111 Drawing for Visualization**	12
AP Studio Art 2-D Design: Honors	12
AP Studio Art 3-D Design: Honors	12

I-I Dual Credit available from Ivy Tech-Central Indiana (Indianapolis) (see course description)

Art Department Course Descriptions by Emphasis

Historical Art

ART HISTORY

1 Semester Course, 1 credit offered – *Prerequisites: None*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art
2nd semester: passing grade in 1st semester Art History (DOE Course Code: 4024)

Students taking *Art History* engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production. Each section of *Art History* covered is based on themes and ideas that recur in every age. An art production lab will follow using one of the techniques/mediums represented in the foregoing section. The labs are a sampler of art making through the ages. The art products will be critiqued as a group, and field trips to museums are included in the course. Students discuss aesthetic and ethical issues related to the art world. This is a good course for academically oriented students who have no previous art experience as well as art-dedicated students who wish to deepen their knowledge of art history.

Three-Dimensional Art

CERAMICS I

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art.
2nd semester: passing grader in 1st semester of Ceramics I
(DOE Course Code: 4040)

Ceramics I students engage in learning experiences that encompass art history, art criticism, aesthetics, and production. Students will be introduced to working on the pottery wheel. Students will learn various glazing and surface decorating techniques. Students will study current ceramic artists and the history of ceramics.

Second semester students will continue to explore wheel and hand-built designs and delve more into textural and glazing possibilities for surface designs. Students will continue to learn about current ceramic artists. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

CERAMICS II

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art, passing grade in 2nd semester of Ceramics I.
2nd semester: passing grade in 1st semester Ceramics II
(DOE Course Code: 4040)

Ceramics II students engage in learning experiences that encompass art history, art criticism, aesthetics, and production, and lead to the creation of portfolio quality works. Students will use previously learned skills from *Ceramics I* and develop their own unique style and form of expression. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

FIBER ARTS I

Full year course, 1 credit per semester – *Prerequisites: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art.*
2nd semester: passing grade in 1st semester of Fiber Arts I

(DOE Course Code: 4046)

In the 1st semester of *Fiber Arts I*, students produce foundation work in the area of weaving, dyeing, and stitchery. Students create fiber art works utilizing processes such as foam core loom and off-loom construction, dyeing, and stitchery.

Students in the 2nd semester of *Fiber Arts I* produce works for their portfolios, which demonstrate a desire to explore a variety of ideas and problems. Students create fiber art works utilizing processes such as off-loom construction, dyeing, coiling, and soft sculpture construction. The emphasis is on fiber three-dimensional design concepts.

FIBER ARTS II

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art, passing grade in 2nd semester of Fiber Arts 1.
2nd semester: *passing grade in 1st semester of Fiber Arts* II (DOE Course Code: 4046)

Students in the 1st semester of *Fiber Arts II* produce works for their portfolios, which demonstrate a desire to explore a variety of ideas and problems. Students create fiber art works utilizing processes such as 4 and 8 harness loom and off-loom construction, dyeing, coiling, and stitchery.

Students in the 2nd semester of *Fiber Arts II* are focused on a semester-long project such as garment construction, yardage of fabric, or three dimensional forms.

JEWELRY I

Full year course, 1 credit per semester, offered even years (2020) – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art Advanced Two-Dimensional Art.
2nd semester: passing grade in 1st semester of Jewelry I (DOE Course Code: 4042)

Students in Jewelry engage in sequential learning experiences that encompass students creating works of jewelry design and fabricating techniques including; wire work, stamping, sawing, piercing, filing, soldering, bezel setting, and salt water copper etching. Student learn to use equipment such as acetylene torches, hand tools, grinders, and polishers in a safe manner. Art museums, galleries, studios, and community resources are utilized.

SCULPTURE I

Full year course, 1 credit per semester, offered odd years (2021) – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art.
2nd semester: passing grade in 1st semester of Sculpture I.
(DOE Course Code: 4044)

Students will choose a theme and the emphasis is carving, sculptural artists researched. Using materials such as plaster, clay, paper, and soapstone, wire, and found objects. Students create realistic and abstract sculptures utilizing the subtractive process of carving, construction, and assembling. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

Two-Dimensional Art

DRAWING I

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art.
2nd semester: passing grade in 1st semester of Drawing I. (DOE Course Code: 4060)

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

DRAWING II

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art, passing grade in 2nd semester of Drawing I.
2nd semester: passing grade in 1st semester of Drawing II. (DOE Course Code: 4060)

Students in *Drawing II* build on the sequential learning experiences of *Drawing I*, thereby encompassing art history, art criticism, aesthetics, and production that lead to portfolio quality works. Students work on ideas and themes to develop an individual style. Students work more independently, creating drawings that utilize processes such as sketching, rendering, contour, gesture, and perspective drawing, and use a variety of media such as graphite and colored pencil, and oil pastels, charcoal, conté crayon, and pen and ink on traditional and non-traditional surfaces. Additionally, students use similar reflective writing and present their work. Further elaboration through art historical connections and career options is encouraged.

PAINTING I

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art, and a passing grade in 2nd semester of Drawing I
2nd semester: passing grade in 1st semester of Painting I. (DOE Course Code: 4064)

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

PAINTING II

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: passing grade in 2nd semester of Painting I.
2nd semester: passing grade in 1st semester of Painting II. (DOE Course Code: 4064)

Students taking *Painting II* will engage in sequential experiences in art history, art criticism, aesthetics, and production that lead to portfolio quality works. Within this context a student (1) may work realistically or abstractly, making informed decisions in order to express a mood and their artists perspective, (2) reflect upon the outcome of these experiences, (3) continue to explore a theme or technical approach based upon previous success and personal choice, (4) write about the process, (5) make presentations about their progress at regular intervals, (6) work both at home as well as in class, (7) explore career options in art, and (8) show their portfolio to an art school for scholarship consideration. Art museums, galleries, studios, and/or community resources are utilized.

PHOTOGRAPHY I

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art
2nd semester: passing grade in 1st semester of Photography I.
(DOE Course Code: 4062)

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

The 1st semester of *Photography I* introduces the medium by blending art and technology. Students create images utilizing a variety of film-based and digital tools. Students learn to technically control their cameras, enabling them to create images using the darkroom and computers. Students reflect on the projects via writing, research, and critiques. Assessments are based on student/teacher rubrics for participation, tests, and a final examination of projects.

The 2nd semester of *Photography I* includes the continuation of the first, raising expectations and requirements. The students apply conceptual, individualized projects while integrating digital work and historical darkroom processes. Emphasis includes the comprehension of Photoshop and the use of scanners and printers, concluding the course with a final public viewing of their work.

PHOTOGRAPHY II

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art, passing grade in 2nd semester of Photography I
2nd semester: passing grade in 1st semester of Photography II.
(DOE Course Code: 4062)

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

The 1st semester of *Photography II* begins with a review of camera functions and darkroom techniques. Student projects are based on community outreach by using the camera as a tool to create awareness of current societal issues. Students reflect on the projects via creative writing, extensive research, and conceptual-based critiques. Assessments are based on student/teacher rubrics for participation, tests and a final examination of projects.

The 2nd semester of *Photography II* includes the above information as well as an intensive study of digital photography including taking photos with DSLR'S, cell phones and flatbed scanners. An emphasis is placed on transferring images to MAC computers and cataloging their photos using Light Room and Photoshop for editing.

The students also work with time-based media by creating their own storyboards, screenplays, and overall direction of film. Students work also includes traditional film, digital, and historical processes. The students participate in several public shows, write artist statements, and utilize critiques for analysis of their work. A final portfolio in preparation for college entrance is required for successful completion of the course

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PRINTMAKING

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art.
2nd semester: passing grade in 1st semester of Printmaking.
(DOE Course Code: 4066)

Printmaking is a course based on the Indiana Academic Standards for Visual Art. Students in printmaking engage in sequential learning experiences that encompass art history, criticism, aesthetics, and production that lead to the creation of the portfolio quality works. Students apply media, techniques, and processes with sufficient skill to communicate intended meaning. They create abstract and realistic prints using a variety of materials such as linocut, woodcut, stencil, silkscreen, photo silkscreen, and mono-print. They utilize processes such as etching, relief, and lithography to explore a variety of ideas and problems. Students reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgements about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art related careers.

Visual Design

DIGITAL DESIGN I-I

Full year course, 1 credit per semester – *Prerequisites:*
1st semester: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art
2nd semester: successful completion of the 1st semester of Digital Design
(DOE Course Code: 4082)

Digital Design is an introduction to multimedia artistic production and aesthetics through a blend of art and digital technology. Students learn to use software effectively and creatively as a tool of artistic expression and communication. They create digital design and artwork incorporating a variety of techniques including: drawing with digital stylus pens and tablets, digital photography, scanned imagery, vector graphics, fonts, animation, video, and three-dimensional rendering. Students reflect on the outcome of studio experiences, explore contemporary and historical connections, write about processes, and participate in group critiques and presentations of their artwork at regular intervals. Career options, college and scholarship opportunities, local museums, galleries, community resources, and correlations to other disciplines are explored throughout the year. Project assessments are based on rubrics for evaluation of participation, process, and products. Final course grades are a combination of class participation, projects, quizzes, tests, electronic portfolio work, and a final exam.

Dual Credit is available through Ivy Tech-Central Indiana (Indianapolis) course number VISC 115.

AP STUDIO ART DRAWING: HONORS

Full year course, 1 credit per semester – *Prerequisites: Introduction to Two-Dimensional Art with a grade of a C or above in Advanced Two-Dimensional Art, Drawing I and II, Painting I or currently enrolled in Painting I, and/or* ***student MUST have a portfolio review and permission of instructor***
(DOE Course Code: 4048) **I-I VISC 111 Drawing for Visualization**

This course is an intensive studio class designed for self-directed seniors who are seriously interested in majoring in art after high school. Students explore concept, refine craftsmanship, reflect on the outcome of studio experiences, write about processes, and participate in group critiques and presentations of their artwork at regular intervals. Career options, college and scholarship opportunities, local museums, galleries, community resources, and correlations to other disciplines are explored throughout the year. The Drawing portfolio addresses issues such as line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark-making. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Second semester students will submit a culminating portfolio of 15 to 20 college-level artwork and an artist's statement explaining how your portfolio evolved throughout the course. This class may lead to AP credit in Drawing if students choose to take the College Board exam. If for any reason students choose not to take the AP College Board exam, they may choose to apply for Ivy Tech Dual Credit in VISC 111 Drawing for Visualization.

AP STUDIO ART 2-D DESIGN: HONORS

Full year course, 1 credit per semester – *Prerequisites: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art, Drawing I, Digital Design, and/or Photography I; and/or* ***student MUST have a portfolio review and permission of instructor***
(DOE Course Code: 4050)

This course is an intensive studio class designed for self-directed seniors who are seriously interested in majoring in art after high school. Students explore concept, refine craftsmanship, reflect on the outcome of studio experiences, write about processes, and participate in group critiques and presentations of their artwork at regular intervals. Career options, college and scholarship opportunities, local museums, galleries, community resources, and correlations to other disciplines are explored throughout the year. Second semester students will submit a culminating portfolio of 15 to 20 college-level artworks and an artist's statement explaining how your portfolio revolved throughout the course. This class may lead to AP credit in 2-D design if students choose to take the College Board exam.

AP STUDIO ART 3-D DESIGN: HONORS

Full year course, 1 credit per semester – *Prerequisites: Introduction to Two-Dimensional Art and a grade of a C or above in Advanced Two-Dimensional Art, Drawing I; and 2 or more semesters in Ceramics, Fiber Arts, or Sculpture; and 2 years of study in Ceramics, Fiber Arts, or Sculpture; and/or* ***student MUST have a portfolio review and permission of instructor***
(DOE Course Code: 4052)

This course is an intensive studio class designed for self-directed seniors who are seriously interested in majoring in art after high school. Students explore concept, refine craftsmanship, reflect on the outcome of studio experiences, write about processes, and participate in group critiques and presentations of their artwork at regular intervals. Career options, college and scholarship opportunities, local museums, galleries, community resources, and correlations to other disciplines are explored throughout the year. The 3-D Design portfolio involves decision making about how to use the elements and principles of art as they relate to the integration of depth, space, volume, and surface, either actual or virtual. Students" portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Second semester students will submit a culminating portfolio of 15 to 20 college-level artworks and an artist's statement explaining how your portfolio evolved throughout the course. This class may lead to AP credit in 3-D Design if students choose to take the College Board exam.

BUSINESS TECHNOLOGY

	Grade Level			
Business Law and Ethics			11	12
Career Information and Exploration I (JAG)			11	12
♜ Computer Science I		10	11	
♜ Computer Science II			11	12
Digital Applications and Responsibility	9	10	11	12
Entrepreneurship and New Ventures Capstone			11	12
Introduction to Accounting		10	11	12
Introduction to Business	9	10		
Introduction to Computer Science	9	10		
Personal Financial Responsibility	9	10	11	12
Preparing for College and Careers	9	10		
Principles of Business Management		10	11	12
Principles of Marketing		10	11	12
Web Design		10	11	12
Work Based Learning Capstone, Multiple Pathways				12

♜ Dual Credit available through Ivy Tech

BUSINESS LAW AND ETHICS

Full year course, 1 credit per semester – *Prerequisites: None*
(DOE Course Code: 4560)

Do you want to know about the law? In 1st semester, *Business and Personal Law* develops a basic understanding of the law and how closely it relates to daily life. The basic sources of law in the United States and our court systems are studied. We take a trip to the courthouse and meet with one of the Superior Court judges. Business Law also thoroughly covers contract law. In 2nd semester, *Business and Personal Law* continues by emphasizing the study of the Law of Sales, Property Law, and Employment Law as well as the study of Legal Forms of Business Organization.

CAREER INFORMATION AND EXPLORATION I (JAG)

Full year course, 1 credit per semester, may be repeated – *Prerequisites: Interview by Panel* (DOE Course Code: 0522)

JAG-Indiana (Jobs for America's Graduates) is a national curriculum that is designed to support students' steps toward graduation based on developing employability skills. The curriculum is centered in core competencies that assure success in the labor market. Course activities provide opportunities for students to practice the skills needed to enter the job market. Career counseling, mentoring, and classroom instruction is provided by the JAG specialist.

COMPUTER SCIENCE I ♜

Full year course, 1 credit per semester – *Prerequisites: Intro to Computer Science OR Principles of Engineering OR Instructor Approval*
(DOE Course Code: 4801)

Designed for 9-12 grade students, *Computer Science* introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This course complements CS Discoveries with a deeper focus on concepts such as how the internet works and the societal impacts of computer science. The course works for beginners and students with experience in our other courses.

COMPUTER SCIENCE II ♜

Full year course, 1-3 credit per semester, 6 credits maximum – *Prerequisites: Computer Science I* (DOE Course Code: 5236)

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

DIGITAL APPLICATIONS AND RESPONSIBILITY

Full year course, 1 credit per semester – *Prerequisites: None*
(DOE Course Code: 4528)

Do you want the technology skills to be successful in college and the career you choose? Technology is used to build students decision-making and problem-solving skills. Students will learn expert skills in databases, spreadsheets, word processing, one note and presentation software. This course is valuable for anyone going to college or entering the business world after high school.

ENTREPRENEURSHIP AND NEW VENTURES CAPSTONE

Full year course, 1 credit per semester – *Prerequisites: Introduction to Business or Principles of Marketing* (DOE Course Code: 5966)

Introduces entrepreneurship and develops skills, and tools critical for starting and succeeding in a new venture. Students will study and develop all aspects of a business plan based on their own entrepreneurial idea. Classroom activities may include guest speakers, internet activities, and field trip experiences. Students with an interest in starting their own business will benefit from this class.

INTRODUCTION TO ACCOUNTING

Full year course, 1 credit per semester – *Prerequisites: None*
(DOE Course Code: 4524)

Accounting 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.

INTRODUCTION TO BUSINESS

1 semester course, 1 credit, offered both semesters – *Prerequisites: None*
(DOE Course Code: 4518)

Introduction to Business introduces students to the world of business, marketing and entrepreneurship including the concepts, functions, and skills required to meet the challenges of operating a business in the twenty-first century on a local, national, and international scale. The course further develops business vocabulary, and provides an overview of business and the role that business plays in economic, social and political environments. Dual credit may be available.

INTRODUCTION TO COMPUTER SCIENCE

1 semester course, 1 credit, offered both semesters– *Prerequisites: None*
(DOE Course Code: 4803)

Introduction to Computer Science allows students to explore the world of Computer Science. Students will gain a broad understanding of the areas composing Computer Science. There will be a focus on HTML, CSS, and JavaScript. Students will create basic websites and create basic apps.

PERSONAL FINANCIAL RESPONSIBILITY

1 semester course, 1 credit, offered both semesters – *Prerequisites: None*
(DOE Course Code: 4540)

Getting out of high school and ready to be on your own? How can you get a credit card? Are you eligible for a car loan? Is insurance necessary? What types of investments are secure?

This course focuses on personal financial planning for all individuals. To provide a basis for avoiding financial pitfalls, students will learn financial concepts and principles such as: financial responsibility and decision making, relating income and careers, financial planning and money management, managing credit and debit cards, risk management and insurance, and saving and investing.

Personal Financial Responsibility fulfills the state Financial Literacy Education (FLE) requirement for graduation.

PREPARING FOR COLLEGE AND CAREERS

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 5394)

This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, and developing career plans. Other topics addressed include: exploration of personal aptitudes, interests, values, and goals; planning and building employability skills; transferring school skills to life and work; and managing personal resources.

PRINCIPLES OF BUSINESS MANAGEMENT

Full year course, 1 credit per semester – *Prerequisites: Introduction to Business* (DOE Course Code: 4562)

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.

PRINCIPLES OF MARKETING

Full year course, 1 credit per semester – *Prerequisites: None*

(DOE Course Code: 5914)

Principles of Marketing provides a basic introduction to the scope and importance of marketing in the global economy. Emphasis is placed on oral and written communications, mathematical applications, problem solving and critical thinking skills as they relate to advertising / promotion /selling, distribution, financing, marketing – information management, pricing, and product / service management.

WEB DESIGN

1 semester course offered 2nd semester, 1 credit – *Prerequisites: Digital Applications and Responsibility or Introduction to Computer Science or by instructor approval* (DOE Course Code: 4574)

Do want to learn how to design and create web pages? This is a course that provides instruction in the principles of web design using HTML and CSS and current/emerging software programs. Students will apply the skills they have learned to plan, design, and publish Web Pages.

WORK BASED LEARNING CAPSTONE, MULTIPLE PATHWAYS

Full year course, 1 related class credit per semester, 1-2 work credits per semester – *Prerequisites: Instructor approval* (DOE Course Code: 5974)

Work Based Learning Capstone is a senior internship program that provides students an opportunity to explore their career interest with on-the-job training (students must average 15 hours per week – release periods are given, schedule permitting). The *Work Based Learning Related* class includes speakers, field trips, and a curriculum in money management, financial skills, expectations and responsibilities of living on your own, reinforcing computer skills, and career exploration.

The *Work Based Learning* work program includes a variety of career interests: Administrative, Marketing/Sales/Retailing/Advertising, Finance, Business Management, Information Technology, Engineering, Architecture, Law Enforcement (Public Safety and Security), Automotive, Veterinarian/Animal Care, and Travel and Tourism. Students who are already employed may be eligible for this program. This "earn as you learn" program allows students to earn up to 6 credits for a full year.

CAREER & TECHNICAL EDUCATION / GLCA

Architecture and Construction:	Grade Level
Ivy Construction Technology: HVAC I	12
Construction Trades I	11 12
Construction Trades II	12
Arts, Audio-Video Technology Communications:	
Radio and TV I	9 10 11 12
Radio and TV II	9 10 11 12
Education Training	
Ivy Education Professions I	11 12
Ivy Education Professions II	12
Health Sciences:	
Ivy Health Science Education I (at JHS)	10 11 12
Ivy Health Sci Ed I (at GLCA - Includes A&P and Medical Terminology)	11 12
Ivy Medical Terminology	11 12
Ivy # Health Science Education II: Nursing	12
Hospitality and Tourism:	
Ivy Culinary Arts and Hospitality II	12
Human Services	
V Cosmetology I & II	12
Information Technology:	
Ivy Computer Science II	11 12
Ivy Computer Science III: Cybersecurity (offered fall 2020)	11 12
V # Information Technology Support	9 10 11 12
# IT Support Capstone	11 12
V # Networking I	10 11 12
V # Networking II: Cybersecurity	11 12
Public Safety:	
Ivy # Criminal Justice	11 12
Ivy # Emergency Medical Services	12
Ivy # Fire and Rescue	11 12
Science, Technology, Engineering, and Mathematics:	
Aerospace Engineering: H	
Civil Engineering and Architecture	
Engineering Design and Development	
Transportation and Logistics:	
Ivy Welding Technology I	12

Ivy Dual Credit available through Ivy Tech
V Dual Credit available through Vincennes
Certifications offered

Architecture and Construction

CONSTRUCTION TECHNOLOGY: HVAC I I

Full year course, 3 credits per semester, offered at GLCA – *Prerequisites: Recommended Computers in Design & Production (CC), Introduction to Construction I and II, and Introduction to Communication I and II* (DOE Course Code: 5496)

	Ivy Tech Courses
Fall Semester	HVAC 101, Heating Fundamentals
Fall Semester	HVAC 103, Refrigeration I
Spring Semester	HVAC 208, Heating Services
Spring Semester	HVAC 211, Refrigeration II

This program introduces fundamentals applicable to the heating phase of air conditioning, including types of units, parts, basic controls, functions, and applications. It covers the basic sequence of operation for gas, oil, and electric furnaces. In addition, it introduces compression systems used in mechanical refrigeration, safety procedures, proper use of tools for installation and service of refrigeration equipment, refrigerant charging and recovery, system evacuation, and using a refrigerant temperature/pressure chart. Credits earned may apply toward an Ivy Tech Community College degree specializing in Heating, Ventilation and Air Conditioning Technology.

CONSTRUCTION TRADES I

Full year course, 3 credits per semester, available to juniors and seniors, offered at GLCA – *Prerequisites: Computers in Design & Production (CC), Introduction to Construction* (DOE Course Code: 5580)

Construction Technology I focus on classroom and lab experiences involving the formation, installation, maintenance, and repair of buildings, homes, and other structures. A history of construction, with an emphasis on future trends and career options, is also covered. This program provides instruction in reading technical drawings and transforming those drawings into physical structures. The relationship of views and details, interpretation of dimension, transposing scale, tolerance, electrical symbols, sections, materials list, architectural plans, geometric construction, three-dimensional drawing techniques, and sketching are presented as well as elementary aspects of residential design and site work. Students examine the design and construction of floor and wall systems and develop layout and floor construction skills. Blueprints and other professional planning documents are also covered. Students will develop an understanding and interpretation of the Indiana Residential Code for one and two-family dwellings and safety practices including OSHA's safety & health standards for the construction industry.

Because *Construction Trades* is a program shared with all of the high schools in Tippecanoe County, the class meets according to the Lafayette School Corporation calendar to which any participating student must adhere. Transportation to and from the building site is provided. Appropriate clothing for outdoor construction work is the responsibility of the student. The student earns two credits for each semester of successful completion of *Construction Trades*.

CONSTRUCTION TRADES II

Full year course, 3 credits per semester, available to seniors offered at GLCA – *Prerequisites: Construction Trades I* (DOE Course Code: 5578)

Construction Technology II builds on the formation, installation, maintenance, and repair skills learned in Construction Technology I. Information on materials, occupations, and professional organizations within the industry are covered. Students will develop basic knowledge, skills, and awareness of interior trim and the installation of drywall, moldings, interior doors, cabinets, and baseboard moldings. Students will also develop exterior finishing skills. The program includes instruction on the installation of cornices, windows, doors, and various types of sidings currently used in industry. Studies will also focus on the design and construction of roof systems and the use of framing squares for traditional rafter and truss roofing.

Arts, Audio-Video Technology Communications

RADIO AND TELEVISION I

Full year course, 1 credit per semester, offered at JHS
RTV I serve as the introductory course in the Web & Digital Communications Pathway, Concentration: Radio TV. *Students must successfully complete an audition to be considered for the class. – Prerequisites: C or better in previous semester English class. Excel students who took English 9 in 8th grade ARE eligible for the class as freshmen. (DOE Course Code: 5986)*

Radio and TV, I introduce students to the multi-faceted world of mass communication in the United States. In addition to studying the history of radio and television, students will gain an understanding of the broadcast media as tools of persuasion, and their impact on society. Students will study programming trends and strategies, and also work in video and audio production, including work on the school's FM radio station, WJEF. Admittance to *Radio-TV I* is by instructor consent after the audition process is completed. This course serves as the prerequisite for continuing in *Radio-TV II*.

RADIO AND TELEVISION II

Full year course, 1 credit per semester, offered at JHS A total of 6 credits is necessary for CTE/Career Pathway plan completion. Radio-TV II continues coursework in the Web & Digital Communications Pathway, Concentration: Radio TV. Can be taken for multiple semesters. – *Prerequisite: RTV-I, instructor consent. (DOE Course Code 5992)*

Radio and TV II continues training in radio with WJEF, the school's 250 watt FM radio station. Students will continue learning on-air DJ techniques, news/sports/weather announcing, and newswriting skills for radio. After school experiences are a requirement for both A and B semester grades. Students wishing to further their education in radio can become involved in live sports broadcasts on WJEF. All students will work in video production through a series of projects ranging from studio commercials to school interview and newscast programs. Students will also develop oral and written communication skills and learn communication ethics and law. Students who have already taken multiple semesters of the course will be expected to serve as peer coaches and work with newer students in all phases of radio and television production.

Education and Training

EDUCATION PROFESSIONS I

Full year course, 3 credits per semester, offered at GLCA, with a maximum of 6 credits – *Prerequisites: Successful completion of or co-enrollment in Child Development and Advanced Child Development, and approval of the coordinator.* Must complete an application with the coordinator. (DOE Course Code: 5408)

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

EDUCATION PROFESSIONS II

Full year course, 3 credits per semester with a maximum of 6 credits, offered at GLCA – *Prerequisites: Education Careers I* (DOE Course Code 5404)

Education Professions II prepares students for employment in education and related careers and prepares students for study in higher education. The program expands on knowledge and skills learned in Education Careers I and includes more in-depth planning, writing, and implementation of developmentally appropriate lesson plans; completing classroom observations; applying INTASC standards; applying safety and ethical principles when working with children; investigating licensing requirements related to careers in education; and enhancing employability skills related to knowledge and dispositions of elementary teachers. Students complete a portfolio project to document their experiences. Students completing this program continue their education in 2 and 4-year postsecondary programs to be eligible for a teaching license or begin a career as an instructional aide in a school.

Health Science

HEALTH SCIENCE EDUCATION I

If taken at JHS this is a full year course, 1 credit per semester –
If taken at Greater Lafayette Career Academy this is a full year course which includes Anatomy & Physiology and Medical Terminology, 1 credit per semester for each of HSE I, Anatomy & Physiology, and Medical Terminology.
Prerequisites: None (DOE Course Code: 5282, may also include 5274 and 5276)

Health Science I students study topics such as human anatomy and physiology, medical terminology, medical ethics, CPR, and practical skills applicable to all health-related occupations. Leadership skills developed through participation in the HOSA student organization are also included. Job shadow experiences are completed at local health care facilities throughout one semester of the program. Job seeking and job maintenance skills, personal management skills, and self-analysis to aid in career selection are also included. Participation in HOSA encourages the development of leadership, communication and career related skills, and opportunities for community service.

This course provides the opportunity for dual credit (through Ivy Tech course number HLHS 100) for students who meet post-secondary requirements for earning dual credit and successfully complete the dual credit requirements of this course.

HEALTH SCIENCE EDUCATION II: NURSING

Full year course, 3 credits per semester, offered at GLCA – *Prerequisites: By permission of Director of Health Science program. Recommended Health Science Education I* (DOE Course Code: 5284)

Health Science II is an extended laboratory experience at a clinical site designed to provide students the opportunity to assume the role of nurse assisting and practice technical skills previously learned in the classroom, including information on the health care system, employment opportunities at a variety of entry levels, an overview of the health care delivery systems, health care teams, and legal and ethical considerations. It prepares students with the knowledge, skills, and attitudes essential for providing basic care in extended care facilities, hospitals, and home health agencies under the direction of licensed nurses. These skills include recording patient medical histories and symptoms, consulting other healthcare providers, operating and monitoring medical equipment, performing diagnostic tests, teaching patients and families how to manage illness or injury, and performing general health screenings. This program also provides students with the knowledge, attitudes, and skills needed to make the transition from school to work in the field of nurse assisting, including self-analysis to aid in career selection, job seeking and job maintenance skills, personal management skills, and completion of the application process for admission into a postsecondary program. HOSA, the Health Science student organization, encourages development of leadership, communication, community service, and health care related skills. Students completing this program continue their education in 2 or 4-year postsecondary degree programs, obtain employment in the healthcare industry, or use the CNA license to work while continuing their education.

This course provides the opportunity for dual credit (through Ivy Tech course number HLHS 107 and HLHS 101) for students who meet post-secondary requirements for earning dual credit and successfully complete the dual credit requirements of this course.

MEDICAL TERMINOLOGY I

Full year course, 1 credit per semester, offered at JHS – *Prerequisites: Successful completion of a year of Biology with a grade of "C" or better each semester* (DOE Course Code: 5274)

This course prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, signs, symbols, and Greek and Latin word part meanings taught within the context of body systems. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information. Students have the opportunity to acquire skills in interpreting medical records and communications accurately and logically. Emphasis is on forming a foundation for a medical vocabulary including meaning, spelling, and pronunciation.

This course provides the opportunity for dual credit (through Ivy Tech course number HLHS 101) for students who meet post-secondary requirements for earning dual credit and successfully complete the dual credit requirements of this course.

This course is offered independently or as a component of the Health Sciences II: Nursing course.

Hospitality and Tourism

CULINARY ARTS AND HOSPITALITY II:

Full year course, 3 credits per semester, offered at GLCA available to seniors – *Prerequisites Culinary Arts I*
(DOE Course Code 5436)

Culinary Arts and Hospitality II: Culinary Arts prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the food industry, including (but not limited to) food production and services; food science, dietetics, and nutrition; and baking and pastry arts. Major topics for this advanced course include: basic baking theory and skills, introduction to breads, introduction to pastry arts, nutrition, nutrition accommodations and adaptations, cost control and purchasing, and current marketing and trends. Instruction and intensive laboratory experiences include commercial applications of principles of nutrition, aesthetic, and sanitary selection; purchasing, storage, preparation, and service of food and food products; using and maintaining related tools and equipment; baking and pastry arts skills; managing operations in food service, food science, or hospitality establishments; providing for the dietary needs of persons with special requirements; and related research, development, and testing. Intensive laboratory experiences with commercial applications are a required component of this course of study. Student laboratory experiences may be either school-based or "on-the-job" or a combination of the two. Advanced Culinary Arts builds upon skills and techniques learned in Culinary Arts and Hospitality Management, which must be successfully completed before enrolling in this advanced course. Intensive laboratory experiences with commercial applications are a required component of this course of study.
Culinary Arts and Hospitality II allows students to explore more complex recipes, independent projects, and lead the kitchen. The Culinary Arts II students will prepare the desserts and pastries for the GLCA restaurant. Students completing this program may choose to continue their culinary education by enrolling in a 2 and/or 4-year postsecondary degree program or gain employment in a variety of food service operations.

Human Services

COSMETOLOGY (currently contracted Cosmetology school: Christina & Company Education Center)

Full year course (summer before senior year and senior year), 12 total credits (6 earned during 1st semester, and 6 earned 2nd semester), GLCA – *Prerequisites: Mandatory tour and meeting prior to acceptance; confirmation of initial payment toward required tuition fees. (DOE Course Code: 5802, 5806)*

Cosmetology I offers an introduction to cosmetology with an emphasis on basic practical skills and theories including roller control, quick styling, shampooing, hair coloring, permanent waving, facials, manicuring, business and personal ethics, bacteriology, and sanitation. In the second semester, greater emphasis is placed on the application and development of these skills. The State of Indiana requires a total of 1500 hours of required instruction learning advanced skills in styling, hair coloring, permanent waving, facials and manicuring. Students will also study anatomy and physiology, professionalism, and salon management in relation to cosmetology. Upon completing this program and passing the State examination, students become licensed and are prepared to be employed in a salon. Students also pursue 2 and 4-year postsecondary degrees in business, fashion design, or related fields. Some students use their license to work while continuing their education.

Information Technology

COMPUTER SCIENCE II

Full year course, 1-3 credit per semester, 6 credits maximum offered at JHS/GLCA – *Prerequisites: Computer Science I* (DOE Course Code: 5236)

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

COMPUTER SCIENCE III: CYBERSECURITY

Full year course, 1-3 credits per semester, 6 maximum credits offered at GLCA – *Prerequisites: Computer Science I and Approval of instructor*
(DOE Course Code: 5251)

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

INFORMATION TECHNOLOGY SUPPORT ▮ #

Full year course, 1-2 credits per semester, 2-4 maximum credits offered at JHS – *Prerequisites: Approval of instructor* (DOE Course Code: 5230)

The *Information Technology Support* program allows students to explore how computers work. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues through hands on activities and labs. Students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. A+ Certification is the focus for this one-year course for students to roll up their sleeves and dig inside the personal computer. This course gives the students the knowledge to study for the Microsoft Technology Associate Certification and CompTIA IT Fundamentals Certification Exams. A+ Certification is the first step to becoming an excellent PC Technician with real-world job opportunities. Dual Credit may be available.

NETWORKING I ▼ #

Full year course, 3 credits per semester, offered at GLCA – *Prerequisites: Information Technology Support (DOE Course Code: 5234)*

Networking I - 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. 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. The course has a heavy hands-on component to meet various learning styles.

NETWORKING II: CYBERSECURITY CAPSTONE ▼ #

Full year course, 1-3 credits per semester, 6 credits maximum offered at GLCA – *Prerequisites: Information Technology Support (DOE Course Code: 5245)*

Networking II: Cybersecurity is a capstone experience of the Network Support Pathway. It builds upon a base knowledge of Information Technology as gained through lower level courses such as IT support and Networking I. This particular capstone course concentrates on the Security field within networking, also called the cybersecurity field. Laboratory and classroom components are used to cover key elements such as Information Security, Systems Security, Network Security, Mobile Security and, Defense and Mitigation Techniques. The core concepts of confidentiality, integrity and availability are covered. Certification may be available.

IT SUPPORT CAPSTONE ▼ #

Full year course, 1-3 credits per semester, 6 credits maximum offered at JHS – *Prerequisites: Information Technology Support, and Networking I or Networking II: Cybersecurity (DOE Course Code: 5231)*

IT Support Capstone is designed for students to showcase the knowledge gained from the Information Technology Pathway. Through troubleshooting hardware, software, and networks, students problem-solve through a variety of real-world IT problems. Throughout the course, students communicate with other team members and document progress to fix a variety of devices. Cisco IT Essentials and CompTIA A+ Certifications may be available.

Public Safety

CRIMINAL JUSTICE I ▮

Full year course, 3 credits per semester, offered at GLCA – *Prerequisites: Recommended Interpersonal Relationships* (DOE Course Code: 5822)

Criminal Justice I Introduces specialized classroom and practical experiences related to public safety occupations such as law enforcement, loss prevention services, and homeland security. This course introduces the purposes, functions, and history of the three primary parts of the criminal justice system as well as an introduction to the investigative process. Oral and written communication skills should be reinforced through activities that model public relations and crime prevention efforts as well as the preparation of police reports.

CRIMINAL JUSTICE II ▮

Full year course, 3 credits per semester, offered at GLCA – *Prerequisites: Criminal Justice I* (DOE Course Code: 5824)

Criminal Justice II introduces students to concepts and practices in traffic control as well as forensic investigation at crime scenes. Students will have opportunities to use mathematical skills in crash reconstruction and analysis activities requiring measurements and performance of speed/acceleration calculations. Additional activities simulating criminal investigations will be used to teach scientific knowledge related to anatomy, biology, and chemistry as well as collection of evidence, developing and questioning suspects, and protecting the integrity of physical evidence found at the scene and while in transit to a forensic science laboratory. Procedures for the use and control of informants, inquiries keyed to basic leads, and other information-gathering activities and chain of custody procedures will also be reviewed. Current trends in criminal justice and law enforcement will also be covered.

EMERGENCY MEDICAL SERVICES ▮

Full year course, 3 credits per semester, offered at GLCA – *Prerequisites: By permission of instructor. Suggested Health Science Education I* (DOE Course Code: 5210)

The Emergency Medical Service Education program prepares students to work as an Emergency Medical Technician (EMT) in a variety of environments. Those environments include but not limited to; 911 emergency care, inter-facility transportation, emergency rooms, doctor's offices and more. Students will learn to appropriately access patients, assess conditions, formulate a plan of action and administer the proper care using the appropriate equipment/medications per protocol. Additionally, this course covers personal safety, human anatomy and physiology, legal and ethical issues, incident management, hazardous materials recognition, emergency vehicle operation, and much more.
The course also requires laboratory practice and clinical observation. Labs will be conducted regularly and students will gain additional experience in clinical observations in the emergency room and riding along with Tippecanoe Emergency Ambulance Service. Successful completion of the course will allow the student to sit for testing with the National Registry of Emergency Medical Technicians (NREMT). Successful certification with NREMT will allow the student to receive an EMT license/certification in most US states and all branches of the military.

FIRE AND RESCUE I # ▮

Full year course, 3 credits per semester, offered at GLCA – *Prerequisites: By permission of instructor. Student must be 17 years old by March of attending school year.* (DOE Course Code: 5820)

Fire and Rescue I; Every year, fires and other emergencies take thousands of lives and destroy property worth billions of dollars. Firefighters and emergency services workers help protect the public against these dangers by rapidly responding to a variety of emergencies. They are frequently the first emergency personnel at the scene of a traffic accident or medical emergency and may be called upon to put out a fire, treat injuries or perform other vital functions. The Fire and Rescue curriculum may include five Indiana state fire certifications: (1) Mandatory, (2) Firefighter I, (3) Firefighter II, (4) Hazardous Materials Awareness, (5) Hazardous Materials Operations.

AEROSPACE ENGINEERING: H

Full year course, 3 credit per semester, offered at GLCA – *Prerequisites: Successful completion of Introduction to Engineering Design and Principles of Engineering, OR any junior or senior Math or Science Honors student* (DOE Course Code: 4816)

Aerospace Engineering should provide students with the fundamental knowledge and experience to apply mathematical, scientific, and engineering principles to the design, development, and evolution of aircraft, space vehicles and their operating systems. Emphasis should include investigation and research on flight characteristics, analysis of aerodynamic design, and impact of this technology on the environment. Classroom instruction provides creative thinking and problem-solving activities using software that allows students to design, test, and evaluate a variety of air and space vehicles, their systems, and launching, guidance and control procedures.

Engineering Design and Development is an engineering research course in which students work in teams to research, design, test, and construct a solution to an open-ended engineering problem with local industry partners. The product development life cycle and a design process are used to guide the team to reach a solution to the problem. The team/ and or individuals communicates their solution to a panel of stakeholders at the conclusion of the course. As the capstone course in the Engineering Pathway, EDD engages students in critical thinking, problem-solving, time management, and teamwork skills.

CIVIL ENGINEERING AND ARCHITECTURE: H

Full year course, 1 credit per semester, offered at GLCA – *Prerequisites: Successful completion of Introduction to Engineering Design and Principles of Engineering, OR any junior or senior Math or Science Honors student* (DOE Course Code: 4820)

A specialization course, which develops student problem solving skills, with emphasis placed upon the concept of developing a set of plans and rendering of a structure. Students focus on the application of visualization processes and tools provided by modern, state-of-the-art computer hardware and software. Revit will be the primary software used. The major focus of the *Civil Engineering and Architecture* (CEA) course is a long-term project that involves the development of a local property site. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of this property. The course provides freedom to the teacher and students to develop the property as a simulation or to students to model the real-world experiences that civil engineers and architects experience when developing property. Dual Credit may be available through Ivy Tech course number DESN 105.

ENGINEERING DESIGN AND DEVELOPMENT: H

Full year course, 1 credit per semester, offered at GLCA – *Prerequisites: Introduction to Engineering Design, Principles of Engineering, OR any senior Math or Science Honors student. Must be a senior or graduating junior with instructor approval.* (DOE Course Code: 4828)

In this course, students will work in teams of two to four to design and construct the solution to an engineering problem, applying the principles developed in the preceding four courses. The problem may be selected from a database of engineering problems, be a recognized national challenge, or be an original engineering problem identified by the team and approved by the teacher. The problems will involve a wide range of engineering applications (e.g. a school robo-mascot, automated solar water heater, remote control hover craft). Students will maintain a journal as part of a portfolio of their work. Each team will be responsible for delivering progress reports and making final presentations of their project for an outside review panel. The completed portfolio will be invaluable as students apply to college. Students will need an off-campus pass for research and/or to meet with engineering mentors.

WELDING TECHNOLOGY I

Full year course, 3 per semester, offered at GLCA – *Prerequisites: Recommended Computers in Design & Production (MT)* (DOE Course Code: 5776)

	Ivy Tech Courses
Fall Semester	WELD 100 Welding Fundamentals
Fall Semester	WELD 108, Shielded Metal Arc Welding I
Spring Semester	WELD 207, Gas Metal Arc (MIG) Welding
Spring Semester	WELD 208, Gas Tungsten Arc (TIG) Welding

Through enrollment in these courses, students will learn many types of welding processes including Shielded Metal Arc, Gas Metal Arc, Gas Tungsten Arc, Plasma Arc, and others. Course work will include interpretation of welding blueprints, electrical fundamentals for welding, metallurgy, and safety requirements. Credits may apply toward an Ivy Tech Community College certificate or degree specializing in Welding.

standards; applying safety and ethical principles when working with children; investigating licensing requirements related to careers in education; and enhancing employability skills related to knowledge and dispositions of elementary teachers. Students complete a portfolio project to document their experiences. Students completing this program continue their education in 2 and 4-year postsecondary programs to be eligible for a teaching license or begin a career as an instructional aide in a school.

WORK BASED LEARNING CAPSTONE

Full year course, 1 related class credit per semester, 1-2 work credits per semester, offered at JHS/GLCA – *Prerequisites: Instructor approval* (DOE Course Code: 5974)

Work Based Learning Capstone is a senior internship program that provides students an opportunity to explore their career interest with on-the-job training (students must average 15 hours per week – release periods are given, schedule permitting). The *Work Based Learning Related* class includes speakers, field trips, and a curriculum in money management, financial skills, expectations and responsibilities of living on your own, reinforcing computer skills, and career exploration.

The *Work Based Learning* work program includes a variety of career interests: Administrative, Marketing/Sales/Retailing/Advertising, Finance, Business Management, Information Technology, Engineering, Architecture, Law Enforcement (Public Safety and Security), Automotive, Veterinarian/Animal Care, and Travel and Tourism. Students who are already employed may be eligible for this program. This “earn as you learn” program allows students to earn up to 6 credits for a full year

ENGINEERING AND TECHNOLOGY

(ETE)

	Grade Level
⧓ Automotive Services Technology I	11 12
⧓ Automotive Services Technology II	12
Introduction to Communications	10 11 12
Computers in Design & Production Construction and Communications	9 10 11 12
Computers in Design & Production for Manufacturing and Transportation	9 10 11 12
Introduction to Construction	10 11 12
⧓ Digital Electronics: H	10 11 12
Digital Electronics (non-PLTW)	11 12
⧓ Introduction to Engineering Design: H	9 10 11 12
⧓ Principles of Engineering: H	10 11 12
⧓ # Introduction Adv. Manufacturing & Logistics	10 11 12
⧓ # Advanced Manufacturing I	11 12
⧓ # Advanced Manufacturing II	12
Introduction to Transportation	10 11 12
Introduction to Design Processes (Motorsports I)	11 12
Engineering Design/Dev (non-PLTW) (Motorsports II)	12

⧓ Dual Credit available from Ivy Tech (see course description)
APICS and/or MSSC certifications offered (see course description)

Alphabetical List of ETE

AUTOMOTIVE SERVICES TECHNOLOGY I ⧓

Full year course, 1 credit per semester – *Prerequisites: Grade of "C" or better in Introduction to Transportation* (DOE Course Code: 5510)

Automotive Service Technology I is a one year course that encompasses the sub topics of NATEF/ASE identified areas of Steering & Suspension and Braking Systems. Additional areas of manual transmissions and differentials, automatic transmission, air conditioning, and engine repair will be covered as time permits. This course meets the NATEF program certifications for the two primary areas offered in this course. Mathematical skills will be reinforced through precision measuring activities and cost estimation/calculation activities. Scientific principles taught and reinforced in this course include the study of viscosity, friction, thermal expansion, and compound solutions. Written and oral skills will also be emphasized to help students communicate with customers, colleagues, and supervisors. Dual credit may be available through Ivy Tech courses AUTI 110, 111, and 141.

AUTOMOTIVE SERVICES TECHNOLOGY II

Full year course, 2-4 credits per year (1-2 per semester) – *Prerequisites: Grade of "B" or better in Automotive Service Technology I AND Instructor Approval* (DOE Course Code: 5546)

Automotive Services Technology II is a one-year course that encompasses the sub topics of the NATEF/ASE identified areas of Electrical Systems and Engine Performance. This one-year course offering may be structured in a series of two topics per year offered in any combination of instructional strategies of semester based or yearlong instruction. Additional areas of manual transmissions and differentials, automatic transmissions, air conditioning, engine repair will be covered as time permits. This one-year offering must meet the NATEF program certifications for the two primary areas offered in this course. Mathematical skills will be reinforced through precision measuring activities and cost estimation/calculation activities. Scientific principles taught and reinforced in this course include the study of viscosity, friction, thermal expansion, and compound solutions. Written and oral skills will also be emphasized to help students communicate with customers, colleagues, and supervisors.

INTRODUCTION TO COMMUNICATIONS

Full year course, 1 credit per semester – *Prerequisites: Successful completion of Computers in Design & Production (CC) or with instructor approval* (DOE Course Code: 4790)

Introduction to Communications is a course that specializes in identifying and using modern communication to exchange messages and information. This course explores the application of the tools, materials, and techniques used to design, produce, use, and assess systems of communication. Students will produce graphic and electronic media as they apply communication technologies. This course will also introduce electronic principles in anticipation for designing and building more complex circuits which can be found in homes and radio-controlled devices.

Major goals of this course include an overview of communication technology: the way it has evolved, how messages are designed and produced, and how people may profit from creating information services and products. Students will explore mass media communication processes including radio and television broadcasting, publishing and printing activities, telecommunication networks, recording services, computer and data processing networks, and other related systems. Using this base knowledge, students will use the design process to solve design projects in each communication area. The second semester of this course Moves on from human-to-human communication to specializing in human-to-digital systems communication. This course explores the application of the tools, materials, and techniques used to design, produce, use, and assess systems of communication. Students will produce electrical systems in anticipation for continuation in the Digital Electronics pathway.

COMPUTERS IN DESIGN AND PRODUCTION – Construction and Communications (CC)

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 4800)

This course is a semester course designed to give students an overview of construction and communications. The course will be a combination of construction and communications/electrical systems, along with computer applications designed to give students a brief introduction to measurement and CAD programs that will be used as students pursue their chosen pathway. Students will use computers to design projects and learn how to use precision measurement instruments to complete simple to intermediate construction and circuitry projects. Students will also use computers to enhance their study and research skills.

COMPUTERS IN DESIGN AND PRODUCTION – Manufacturing and Transportation (MT)

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 4800)

This course is a one-semester course designed to give students an overview of manufacturing and transportation. The course will be a combination of manufacturing and transportation systems, along with computer applications designed to give students a brief introduction to measurement and CAD programs that will be used as students pursue their chosen pathway. Students will use computers to design projects and learn how to use precision measurement instruments. Students will also use computers to enhance their study and research skills.

INTRODUCTION TO CONSTRUCTION

Full year course, 1 credit per semester – *Prerequisites: Successful completion of Computers in Design & Production (CC)* (DOE Course Code: 4792)

Introduction to Construction is a course that will offer hands-on activities and real-world experiences related to the skills essential in residential, commercial and civil building construction. In addition, students are introduced to blueprint reading, applied math, basic tools and equipment, and safety. Students will demonstrate building construction techniques, including concrete and masonry, framing, electrical, plumbing, and dry walling. Students learn how architectural ideas are converted into projects and how projects are managed during a construction project. Students also investigate topics related to the purchase and maintenance of structures, special purpose facilities, green construction, and construction careers.

During the second semester students will continue to demonstrate building construction techniques, including concrete and masonry, framing, electrical, plumbing, dry walling, HVAC, and painting. Students learn how architectural ideas are converted into projects and how projects are managed during a construction project. Students study construction technology topics such as preparing a site, doing earthwork, setting footings and foundations, building the superstructure, enclosing the structure, installing systems, finishing the structure, and completing the site.

DIGITAL ELECTRONICS: H

Full year course, 1 credit per semester – *Prerequisites: Successful completion of Introduction to Engineering Design* (DOE Course Code: 4826)

Digital Electronics is a specialization course of study in applied digital logic. The course is patterned after the first semester course in Digital Electronics taught in two- and four-year colleges. Students will study the application of electronic logic circuits and devices and apply Boolean logic to the solution of problems. Such circuits are found in watches, calculators, video games, computers, and thousands of other devices. The use of smart circuits is present in virtually all aspects of our lives, making digital electronics an important course of study for a student exploring a career in engineering/engineering technology. Using MultiSIM , the industry standard, students will test and analyze simple and complex digital circuitry. Students will design circuits using MultiSIM, export their designs to a printed circuit auto routing program that generates printed circuit boards, and construct and design using chips and other components. Dual Credit may be available through Ivy Tech course number ADMF 113.

DIGITAL ELECTRONICS (non-PLTW)

Full year course, 1 credit per semester – *Prerequisites: Successful completion of Introduction to Communications OR Principles of Engineering in addition to the successful completion of Algebra I* (DOE Course Code: 5538)

Digital Electronics is a course of study in applied digital logic that encompasses the design and application of electronic circuits and devices found in robotics, automated manufacturing, transportation, and thousands of other environments. We'll be learning how to apply electrical mathematics into the design of electrical circuits, the application of engineering and scientific principles, with a capstone project in robotic automation. Using computer software and practices that reflects current industry standards, activities should provide opportunities for students to design, prototype and develop simple to complex digital circuits and programs. This course engages students in critical thinking and problem-solving skills, time management, and teamwork skills.

INTRODUCTION TO ENGINEERING DESIGN: H

Full year course, 1 credit per semester – *Prerequisites: None* (DOE Course Code: 4812)

Introduction to Engineering Design is an introductory foundation course which develops student problem solving skills with emphasis placed upon the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by the modern, state-of-the-art computer hardware and software, Inventor. This modern computer-based process replaces the traditional hand drawing methods. The course will emphasize the design development process of a product and how a model of that product is produced, analyzed, and evaluated, using a Computer Aided Design System. Various design applications will be explored with discussion of possible career opportunities. Dual Credit may be available through Ivy Tech course number DESN 102.

PRINCIPLES OF ENGINEERING: H

Full year course, 1 credit per semester – *Prerequisites: "C" or better in Introduction to Engineering Design AND Algebra I or Integrated Math I or any Math /Science Honors student* (DOE Course Code: 4814)

Principles of Engineering is a foundation course that helps students understand the field of engineering and engineering technology. Students will explore various technology systems to help learn how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people and society. Dual Credit may be available through Ivy Tech course number DESN 104.

INTRODUCTION TO ADVANCED MANUFACTURING AND LOGISTICS

Full year course, 1 credit per semester – *Prerequisites: Computers in Design and Production (MT) or with instructor approval* (DOE Course Code: 4796)

Introduction to Advanced Manufacturing and Logistics first semester *(HIRE Technology S1)* is a course that specializes in how people use modern manufacturing systems. Students will be introduced to advanced manufacturing and logistics and their relationship to society, individuals, and the environment. Students apply the skills and knowledge of using modern manufacturing processes to obtain resources and change them into industrial materials, industrial products, and consumer products Students investigate the properties of both ferrous and non-ferrous engineered materials. After gaining a working knowledge of these materials, students gain an understanding of CNC machining, pneumatics, and hydraulic power systems. Students gain a basic understanding of tooling, electrical skills, operation skills, inventory principles, MSDS's, and chart and graph reading. Students have the opportunity to develop the characteristics employers seek as well as skills that will help them in future endeavors.

In *Introduction to Advanced Manufacturing and Logistics* second semester (HIRE Technology S2), students apply the skills and knowledge of using modern manufacturing processes to obtain resources and change them into industrial materials, industrial products, and consumer products. There is also an emphasis placed on the flow process principles, material movement, logistics, and related business operations. Students have the opportunity to develop the characteristics employers seek as well as skills that will help them in future endeavors. Students can earn APICS certification in Logistics and/or Operations as well as MSSC certification in Certified Logistics Associate. Dual Credit may be available through Ivy Tech course numbers MPRO 100 and MPRO 106 following completion of both semesters of *Introduction to Advanced Manufacturing and Logistics*.

ADVANCED MANUFACTURING I ⧗ #

Full year course, 1 credit per semester – *Prerequisites: "C" or better in Introduction to Advanced Manufacturing and Logistics I and II, or with instructor approval* (DOE Course Code: 5608)

Advanced Manufacturing I is a course that includes classroom and laboratory experiences in industrial technology, software controls, and manufacturing trends. Understanding and using the underlying scientific principles related to electricity, electronics, circuits, sine waves, and Ohm's Law are integral to this course. *Advanced Manufacturing I* covers basic concepts in manufacturing operations and plant floor layout in the production environment. Applications of Computer Numerical Control (CNC), lathe, and turning operations are developed as a foundation for machining operations. Coordinate system concepts are introduced as relevant to machining processes and lean manufacturing. Students will also be introduced to lean manufacturing where they will study concepts including: lean goals and concepts, product quality, eliminating waste, cost effectiveness, resource planning, continuous improvement, and the various advantages of lean manufacturing. Students can earn MSSC certification in Safety and Production. Dual Credit may be available through Ivy Tech course number MPRO 102 following completion of both semesters of *Advanced Manufacturing I*.

ADVANCED MANUFACTURING II ⧗ #

Full year course, 1 credit per semester – *Prerequisites: "C" or better in Advanced Manufacturing I, or with instructor approval* (DOE Course Code: 5606)

Advanced Manufacturing II allows students an opportunity to complete lab activities that focus on the use of CNC mills, CNC routers, lathes, laser engraving, robotics, and welding to simulate a real-life shop floor. Students will be able to create custom projects using materials and equipment in the classroom.

INTRODUCTION TO DESIGN PROCESSES (Motorsport I)

Full year course, 1 credit per semester – *Prerequisites: Successful completion of Automotive Services Technology I OR successful completion of Principles of Engineering and instructor approval* (DOE Course Code: 4794)

Introduction to Design Processes is a course that specializes in modern design and engineering processes with a focus on creative problem solving. This hands-on, student-driven course allows the students to develop skills in multiple disciplines such as mechanical and electrical engineering, physics, product research, project management, and business management all while focusing on the world of motorsports. Students will work in a hands-on environment designing, funding, building, and testing their Super Mileage Vehicle (a single seat vehicle) which competes in the Engineering/Technology Teachers Education's annual Super Mileage Challenge at O'Reilly Raceway Park near the end of the second semester.

ENGINEERING DESIGN AND DEVELOPMENT (non-PLTW) (Motorsports II)

Full year course, 1 credit per semester – *Prerequisites: Successful completion of Intro to Design Processes (Motorsports I)* (DOE Course Code 5698)

EDD non-PLTW is the follow up course to Introduction to Design Processes in which students specialize in modern design and engineering processes with a focus on creative problem solving. Within in the second-year students take a deeper focus into the world of motorsports and motorsport engineering. Students revisit the Super mileage challenge competition, design and build electric go karts, and focus on careers centered around automotive engineering and motorsports.

INTRODUCTION TO TRANSPORTATION

Full year course, 1 credit per semester – *Prerequisites: Successful completion of Computers in Design & Production (MT) and Computers in Design & Production (MT), or with instructor approval.* (DOE Course Code: 4798)

Introduction to Transportation is an introductory course designed to help students become familiar with fundamental principles in modes of land, sea, air, and space transportation, including basic mechanical skills and processes involved in transportation of people, cargo, and goods. Students will gain and apply knowledge and skills in the safe application, design, production, and assessment of products, services, and systems as they relate to the transportation industries. Content of this course includes the study of how transportation impacts individuals, society, and the environment. Both two-stroke and four stroke gasoline engines will be discussed in addition to the study of diesel and rotary engines. The classroom material is reinforced with hands-on laboratory activities including the disassembly, measurement, and rebuild of both small and large gasoline powered engines. A systems-based approach will allow the student to gain knowledge in various areas such as fuel and emission control, ignition, cooling, and lubrication.

The second semester of this course addresses how society deals with the transfer of goods and movement of people. The course covers, in detail, various automotive systems including: fuel, emissions, cooling, lubrication, ignition, electrical, powertrain and transmission/transaxle, braking systems, suspension, steering, alignment, and safety systems. This is a hands-on based course where students will have the opportunity to diagnose problems and maintain various late model automobiles. This course includes the study of how transportation impacts individuals, society, and the environment and allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant transportation-related activities, problems, and settings

ENGLISH

All students must take 8 semesters of English to graduate. Courses are offered in sequence. Since each course is designed to build upon skills mastered in previous courses, students should take the courses in the prescribed sequence (see chart below). All freshmen and sophomores courses focus on writing and language skills, but also integrate literature, oral communication, reading, and research. Juniors take an American literature course, which integrates all of the language arts strands. Seniors take two semesters of English 12 or two semesters of senior college prep English; both programs allow the students to fulfill college admissions requirements. The English 12 courses integrate writing and literature studies and should be taken one each semester unless the student is a mid-year graduate. The senior college prep offerings include a required one-semester college prep composition course and one of two one-semester literature offerings: World Literature or English Literature. College prep seniors should take one course per semester unless planning to graduate after first semester. Elective courses are also available for students at all grade levels; electives do not replace any of the required 8 semesters of English.

Courses are offered in sequence. Since each course is designed to build upon skills mastered in previous courses, students should take the courses in the prescribed sequence. English offerings include occupational tech prep (OTP), Academic (A), college prep (CP), honors (H), and advanced placement (AP) courses.

	Grade Level
Required Courses:	
Freshman Courses:	
English 9 A	
English 9 OTP	
English 9 H – Self and Society	
Sophomore Courses:	
English 10 A	
English 10 OTP	
English 10 H – Universality and Diversity	
Junior Courses:	
English 11 A	
English 11 OTP	
English 11 CP	
English 11 H	
Senior Courses:	
English 12 Communication and Exploration	
English 12 OTP	
Technical Communication	
English 12 CP – Composition and English Literature or World Literature	
English Language and Composition, AP	
English Literature and Composition, AP	
Elective Courses:	
Advanced Speech and Communication	11, 12
Creative Writing 1	11, 12
Developmental Reading	9, 10, 11, 12
English as a New Language: Level 1, 2, 3, 4	9, 10, 11, 12
Etymology (recommended for college-bound sophomores and juniors)	10, 11, 12
Film Literature	11, 12
Journalism	
Journalism 1	9, 10, 11, 12
Journalism 2	9, 10, 11, 12
Radio and Television I (Intro)	10, 11, 12
Radio and Television II	10, 11, 12
Student Publications	9, 10, 11, 12
Creative Writing 2 Student Publications Literary Magazine	11, 12
Theatre Arts	9, 10, 11, 12
Theatre Production	10, 11, 12
Theatre Arts, Special Topics: Stagecraft	11, 12

English Department Required Course Descriptions

ENGLISH 9

Full year course, 1 credit per semester – *Prerequisites: English 9, none; English 9 OTP, test scores and teacher recommendation* (DOE Course Code: 1002)

English 9 is taught in different classes based on learning styles and student skill level. It is designed to help students establish a foundation in language arts that will enable them to succeed in future English classes. By providing students with the opportunity to study and practice the five language arts strands, the course will reinforce skills they have already learned as well as introduce new ones. This holistic approach to the study of English enables students to see the relationships between reading, writing, and speaking. *English 9* students further develop their use of language as a tool for learning and thinking and as a source of pleasure. Students practice identifying, analyzing, and composing with different elements, structures, and genres of written and oral language. An additional emphasis of each course is to strengthen students' performance of the essential skills in language arts determined by the state of Indiana and measured on end of course assessments. *English 9 Occupational Tech Prep (OTP)* is team taught by an English teacher and a special education teacher.

ENGLISH 9 H - SELF AND SOCIETY

Full year course, 1 credit per semester – *Prerequisites: Students entering the honors program must have earned an "A" in both semesters of their 8th grade English course and be recommended by their English 8 teacher; students continuing in the honors program must have earned at least a "B" the previous year* (DOE Course Code: 1002)

The *English 9 Honors (H)* course is part of the corporation's gifted and talented program. It will focus on the reading and analysis of literature and the paralleling of these works to the student's role in society. Because this course prepares students for AP and college requirements, it incorporates rigorous study in terms of depth and expectations. **A summer assignment prepares for the course theme; information on this will be available in the guidance office by May 1.** The student must complete this assignment by the due date to remain enrolled in the course.

ENGLISH 10

Full year course, 1 credit per semester – *Prerequisites: English 10, students should have successfully completed English 9 to enroll; English 10 OTP, successful completion of the earlier courses in this sequential program or teacher recommendation* (DOE Course Code: 1004)

English 10 is taught in different classes based on learning styles and student skill level. It focuses upon building and expanding skills learned in *English 9*, while also introducing new concepts that will aid in the students' decisions to take tech prep or college prep English during their junior year. The course curriculum achieves this by integrating the five language arts strands through the study of literature from cultures around the world, both historical and contemporary. This foundation includes both written and oral communication skills from a wide variety of perspectives. Special emphasis is placed on incorporating textual evidence in formal writing. In addition, each *English 10* course provides students with practical and working knowledge of standards and skills assessed on Indiana's *English 10* ISTEP+. *English 10 Occupational Tech Prep (OTP)* is team taught by an English teacher and a special education teacher.

ENGLISH 10 H - UNIVERSALITY AND DIVERSITY

Full year course, 1 credit per semester – *Prerequisites: Students entering the honors program must have earned an "A" in both semesters of English 9 and be recommended by their English 9 teacher; students continuing in the honors program must have maintained at least a "B" on the weighted scale in English 9 H* (DOE Course Code: 1004)

This honors course focuses on world literature. The grammar, vocabulary, and portfolio sequences from *English 9 H* are continued. Because this course is one of a series of English courses preparing students for the senior AP English exam, rigorous study will be expected. Students should have above average reading and writing skills and be able to handle deadlines. **A summer reading selection and project are also required; information on this will be available in the guidance office by May 1.** This project must be completed by the due date for students to remain enrolled in the course.

ENGLISH 11

Full year course, 1 credit per semester – *Prerequisites: English 11, students must have successfully completed four semesters of English (9 and 10); English 11 OTP, successful completion of the earlier courses in this sequential program or teacher recommendation; English 11 CP, 4-year college-bound juniors; students must have completed the prior four semesters of English (9 and 10) with a "C" or better* (DOE Course Code: 1006)

English 11 is taught in different classes based on learning styles and student skill level. Students move from predominantly analyzing and using the elements of written language to making judgments based on those analyses. An emphasis on the development of writing, speaking, reading, and researching information to enhance the students' appreciation of America's rich and diverse culture is also incorporated in the curriculum. Through the integrated study of literature, composition, and oral communication, *English 11* students further develop their use of language as a tool for learning and thinking and as a source of pleasure. Each *English 11* course also incorporates a literary canon, a survey of American literature from different periods.

English 11 Occupational Tech Prep (OTP), an integrated English course based on Indiana's Academic Standards for English/Language Arts for Grade 11, is a study of literature, composition, and oral communication across a wide variety of genres. Placement is determined by previous experience, achievement test scores and teacher recommendation. The course includes the objectives of English 11, but the pace is slowed, that materials are more appropriate for the reading and learning styles of the students, and class sizes are kept small to facilitate individualized instruction.

English 11 College Prep (CP) is designed to prepare students who are planning to attend a college or university in pursuit of a four-year degree after high school to succeed at the college level; thus, the course fosters an academic atmosphere for studying and practicing reading, writing, thinking, speaking, research, and test taking skills appropriate for future college success.

ENGLISH 11 H - EXPLORING THE AMERICAN DREAM

Full year course, 1 credit per semester – *Prerequisites: Students entering the honors program must have earned an "A" in both semesters of English 10 and be recommended by their English 10 teacher; students continuing in the honors program must have maintained at least a "B" on the weighted scale in English 10 H* (DOE Course Code: 1006)

The *English 11 Honors (H)* course is a year-long chronological and thematic study of literature in the United States from the early settlement period to contemporary times. Activities encourage students to view their nation's literature as a reflection of its history and culture and to interpret major themes and conflicts that exist in American society today. The grammar, vocabulary, and portfolio sequences from *English 9 H* and *10 H* are continued. Because this course is one of a series of English courses preparing students for the senior AP English exam, rigorous study will be expected. **Also, a summer assignment is required. Information on this is available by May 1 in the guidance office.** This assignment must be completed by the due date for students to remain enrolled in the class.

ENGLISH 12 OTP

Full year course, 1 credit per semester – *Prerequisites: Successful completion of the earlier courses in this sequential program or teacher recommendation* (DOE Course Code: 1008)

English 12 Occupational Tech Prep (OTP), an integrated English course based on Indiana's Academic Standards for English/Language Arts for Grade 12, is a study of language, literature, composition, and oral communication across a wide variety of genres. Placement is determined by previous experiences, achievement test scores, and teacher recommendation. The course includes the objectives of English 12, but the pace is slowed, the materials are more appropriate to the reading levels and learning styles of the students, and class sizes are kept small to facilitate individualized instruction.

TECHNICAL COMMUNICATION (English 12-2 OTP)

One semester course offered 2nd semester, 1 credit per semester – *Prerequisites: Senior with teacher or counselor recommendation, and students must be on a general diploma track* (DOE Course Code: 1096)

Technical Communications, a course based on the Indiana Standards for English/Language Arts for writing and reading, is the study and application of the processes and conventions for effective technical writing, reading, and communication. Placement is determined by teacher or counselor recommendation, achievement test scores, case conference recommendation, and previous experience. Students in this course are on a general diploma track. The course focuses on using the writing process to communicate in the work environment as well as reading practical, real world material. Class sizes are kept small to facilitate individualized instruction.

ENGLISH 12 COMMUNICATION AND EXPLORATION

Companion courses, 1 taken each semester, 1 credit each semester – *Prerequisites: Candidates for these courses have successfully completed English 9, 10, and 11; after high school they are planning to enter the workforce, to join an apprenticeship program, the military, or to attend a 2-year degree institution* (DOE Course Code: 1008)

English 12, an integrated English course based on *Indiana's Academic Standards for English/Language Arts* for Grade 12, is a study of language, literature, composition, and oral communication focusing on an exploration of point of view or perspective across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance for Grade 12 in contemporary literature. Students compose a variety of written products including responses to literature, essays, research papers, resumes, and letters.

English 12 Communication focuses on developing lifelong communication skills, particularly those needed in the workplace, and on developing interpersonal relationship skills.

English 12 Exploration focuses on the development of the senior project based on a topic of student interest. The four areas of focus are the research paper, the physical project, the project portfolio, and the community presentation. The senior projects allow students to demonstrate their skills based on their entire learning experience.

ENGLISH 12 CP - COMPOSITION

1 semester course, 1 credit, offered both semesters – *Prerequisites:* Students must have completed English 11 CP with at least a "C" to enroll *(DOE Course Code: 1090)*

Each senior planning to enter a 4-year college must take this 1-semester course ALONG WITH one of the two 1-semester courses, *English Literature CP or World Literature CP*

English 12 College Prep (CP) Composition is a course designed to prepare students for the rigors of writing at 4-year colleges. The class is structured around the beliefs that every student can write and that every student can improve as a writer. Focal points of the course are a workshop approach, writing conferences, integration of the writing process with an emphasis on revision, and the development of a final portfolio that showcases the writer's learning. The course experiences

are intended to help students to see themselves as writers and to develop the strategies and skills which will enable them to be independent writers in the future.

ENGLISH 12 CP - ENGLISH LITERATURE

1 semester course, 1 credit, offered both semesters – *Prerequisites: Students must have completed English 11 CP with at least a "C" to enroll* (DOE Course Code: 1030)

English Literature CP or World Literature CP: Each senior planning to enter a 4-year college must take one of these two 1-semester courses, ALONG WITH a semester of *Composition CP*.

English 12 College Prep (CP) English Literature is designed to help prepare college-bound students for their futures, both in educational arenas and as well-rounded human beings. Exposure to the study of literary works by well-known English authors throughout history and in the present provides the opportunity for students to further their ability to read and interpret various texts, to develop analytical thinking through discussions and assignments, and to contemplate various opinions and ideas. A unique aspect of the course is allowing the students to select an author to be the focal point of the three required writings.

ENGLISH 12 CP - WORLD LITERATURE

1 semester course, 1 credit, offered both semesters – *Prerequisites: Students must have completed English 11 CP with at least a "C" to enroll* (DOE Course Code: 1052)

World Literature CP or English Literature CP: Each senior planning to enter a 4-year college must take one of these two 1semester courses, ALONG WITH a semester of *Composition CP*.

English 12 College Prep (CP) World Literature is designed to help prepare college-bound students for their futures, both in educational arenas and as well-rounded human beings. Exposure to the study of literary works by well-known world authors throughout history and in the present provides the opportunity for students to further their ability to read and interpret various texts, to develop analytical thinking through discussions and assignments, and to contemplate various opinions and ideas. World Literature surveys literature written by major authors of the Western and Eastern worlds. Integrated into the study of World Literature are class and group discussions and written interpretations. A student-selected author-research component will also be required.

ENGLISH LANGUAGE AND COMPOSITION, AP

Full year course, 1 credit per semester – *Prerequisites: Students entering the honors program must have earned an "A" in both semesters of English 11 CP and be recommended by their English 11 CP teacher; students continuing in the honors program must have maintained at least a "B" on the weighted scale in English 11 H* (DOE Course Code: 1056)

English Language and Composition Advanced Placement (AP) is a course based on the content established by the College Board. Students enrolled in the course become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. They become skilled writers who compose in a variety of forms – narrative, exploratory, expository, argumentative – and on a variety of subjects.

Students are expected to embark on a year-long senior project involving both a research component and an action component. In April, the culminating exercise is a day-long presentation of all projects before fellow students, faculty, media, and community members. **A summer assignment, available in the guidance office by May 1, is required.** This assignment must be completed by the due date for students to remain enrolled in the course.

ENGLISH LITERATURE AND COMPOSITION, AP

Full year course, 1 credit per semester – *Prerequisites: Students entering the honors program must have earned an "A" in both semesters of English 11 CP and be recommended by their English 11 CP teacher; students continuing in the honors program must have maintained at least a "B" on the weighted scale in English 11 H* (DOE Course Code: 1058)

English Literature and Composition Advanced Placement (AP) provides a survey of representative literature produced by English-speaking authors, including those in the British Isles as well as those in former British colonies. Writing and classroom activities provide opportunities for students to respond to the literature both analytically and reflectively.

Students are expected to embark on a year-long senior project involving both a research component and an action component. In April, the culminating exercise is a day-long presentation of all projects before fellow students, faculty, media, and community members. **A summer assignment, available in the guidance office by May 1, is required.** This assignment must be completed by the due date for students to remain enrolled in the course.

Alphabetical Listing of English Department Elective Courses

ADVANCED SPEECH AND COMMUNICATION

Full year course, 1 credit per semester – *Prerequisites: Students must have completed all previous English courses with at least a "C" and be enrolled in a required English 11-12 course* (DOE Course Code: 1078)

Advanced Speech and Communication is the study and application of skills in listening, oral interpretation, media communications, research methods, oral debate, and competitive speaking. Students deliver different types of oral and multi-media presentations, including speeches to inform, to motivate, to entertain, and to persuade through the use of impromptu, extemporaneous, memorized, or manuscript delivery. The course introduces fundamental concepts and skills for effective public speaking, including audience analysis, outlining, research, delivery, critical listening and evaluation, presentational aids, and use of appropriate technology.

CREATIVE WRITING 1

1 semester course, 1 credit, offered 1st semester – *Prerequisites: Student must have completed all previous English courses with at least a "C"* (DOE Course Code: 1092)

Creative Writing 1 provides students with ample opportunities to combine literary creativity with the discipline of written discourse. Students become familiar with standard literary elements through the reading and study of published prose and poetry and are taught to use those elements in their own writing.

CREATIVE WRITING 2 STUDENT PUBLICATIONS LITERARY MAGAZINE

1 semester course, 1 credit, offered 2nd semester – *Prerequisites: Student must have successfully completed Creative Writing 1 with at least a "C" or have obtained permission to enroll after an interview with the instructor* (DOE Course Code: 1086)

Creative Writing 2 builds on the basis provided in *Creative Writing 1*, continues the study of established writers, and provides opportunities for students to write poetry and short stories. Students will produce the school literary magazine, the *Iguana*, and individual portfolios specifically for the class.

DEVELOPMENTAL READING

1 semester course, 1 credit, offered both semesters – *Prerequisites: Current or previous enrollment in English 9-12 OTP or ENL 3-4* (DOE Course Code: 1120)

Developmental Reading is a supplemental course that provides students with individualized instruction designed to support success in completing language arts course work aligned with *Indiana's Academic Standards for English/Language Arts* in Grades 9-12 and focusing on the *Reading Standards (Standards 1, 2, and 3)*. Students will gain practice in reading, analyzing, and sharing information meaningful to them personally. The strategies employed in this practice aid in comprehension and retention, leading to more success in academics. The course also develops the students' appreciation of reading as a lifelong activity.

ENGLISH AS NEW LANGUAGE

1 semester course, 1 credit (granted when the student's assessment score indicates placement in the next ENL Level and/or in a regular English course), offered both semesters – *Prerequisites: Students will be placed in the appropriate level of ENL based on their scores on the WIDA Assessment or similar assessment tool* (DOE Course Code: 1012)

English as a New Language (ENL) courses provide students with Limited English Proficiency with instruction in English that would improve their proficiency in listening, speaking, reading, and writing. Emphasis is placed on helping students to function within the school and an English-speaking society.

- One required English credit may be earned for **EACH** course level completed: ENL 1, ENL lab, ENL 9, ENL 10, ENL 11

ETYMOLOGY (SAT and ACT Preparation)

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 1060)

Etymology is a course designed to benefit college-bound students as they prepare for attending institutions of higher learning. Emphasis is placed on preparing students for the SAT and the ACT. The students work with word parts and origins, various vocabulary systems, test-taking strategies, and study skills to help them reach their potential as scholars. Class presentations, individual and group projects, standardized tests, computer work, class participation, and daily tests are used to evaluate each student's progress.

FILM LITERATURE

1 semester course, 1 credit, offered 1st semester – *Prerequisites: Students must have completed all previous English courses with at least a "C" and be enrolled in a required English 11-12 course* (DOE Course Code: 1034)

Designed to complement traditional literature courses, *Film Literature* requires students to use visual literacy skills to discuss, analyze, and interpret film as a form of literature. A chronological selection of significant films will be studied. In a comprehensive speech component, students are given opportunities to present and discuss their ideas. Students will also have frequent writing assignments in which they explore and analyze the films shown in class. They will also complete an individual film critique over a film of their choosing and present it to the class.

JOURNALISM 1

1 semester course, 1 credit, offered 1st semester – *Prerequisites: Students must have received a "C" or better in previous English courses* (DOE Course Code: 1080)

Journalism is a study of the art of journalism and the profession of journalists. This course includes the process involved in (1) reporting and writing news stories, (2) the legal and social responsibilities involved in newspaper publications, and (3) the ethics of accurate and fair reporting. This course includes extensive reading of models of excellent journalistic techniques and analyzes and evaluates journalistic writing through discussions and critiques.

- This course is not a student publications course.

JOURNALISM 2

1 semester course, 1 credit, offered 2nd semester – *Prerequisites: Completion of Journalism 1 with at least a "C"* (DOE Course Code: 1080)

The content of *Journalism 2* includes writing news stories, sports articles, interviews, feature stories, and editorials. Journalistic critical thinking skills are developed as students discuss and write about international, national, state, local, and school news. The student gains practical experience in copy reading, design, and layout. The student learns about the newspaper by discussing newspaper terms, reading the newspaper, and emulating newspaper writing style. The course of study emphasizes improvement of writing skills; greater appreciation of print media, especially professional and school publications; and development of digital design skills. Students are expected to be able to design their own newspaper page by the end of the semester. Analysis of the local newspaper and reading of *All the President's Men* are parts of the course.

- This course is not a student publications course.

STUDENT MEDIA

1 semester course, 1 credit, offered both semesters – *Prerequisites: For the newspaper course, Journalism 1 is recommended, but may be waived by advisor/instructor for sophomores, juniors, and seniors; for the yearbook course, Journalism 1 is recommended, but may be waived by advisor/instructor for sophomores, juniors, and seniors. An interview with and written permission from the advisor/instructor is required for enrollment in this yearbook course, even from students who have completed Journalism 1.* (DOE Course Code: 1086)

This course provides the study of and practice in gathering and analyzing information, interviewing, and note taking for the purpose of (1) writing, (2) editing, and (3) publishing for print. This course includes instruction and practice in effective journalistic writing forms and techniques as well as layout, design, and typography. *Student Publications* offers practical training in publishing the school newspaper and yearbook. Students plan, write, design, edit, publish, market, and distribute their school publications.

Student Publications: Newspaper

The *Booster* attempts to follow the triple foundation of responsible journalism: balance, fairness, and good taste. Staff members apply the principles by working together daily as a team, applying the principles learned during *Journalism 1*. Members also develop and refine the interpersonal relationship skills needed as journalists. Students utilize publication skills involving desktop publishing as well as board layout.

Student Publications: Yearbook

The *Nautilus* is produced by the students in this class. Students are taught organizational, managerial, and leadership skills in addition to production techniques in graphic design, layout, photography, and copy writing. At least a 2-year involvement in the program is recommended.

- The nature of this course allows for successive semesters of instruction at an advanced level; **students can earn one credit for each semester of enrollment**.

THEATRE ARTS

Full year course, 1 credit per semester – *Prerequisites: 1st semester: none; 2nd semester: completion of 1st semester with at least a "C"* (DOE Course Code: 4242)

Students enrolled in the 1st semester of *Theatre Arts* will read and analyze plays, create scripts and theater pieces, conceive scenic designs, and develop acting skills. These activities should incorporate elements of theater history, culture, analysis, response, creative process, and integrated studies.

Students enrolled in the 2nd semester of *Theatre Arts* (Advanced Theatre Arts) will read and analyze plays and apply criteria to make informed judgments. They will draw on events or experiences to create scripted monologues and scenes. They will create scenic designs for existing plays and will build characters through observation, improvisation, and script analysis. These activities should incorporate elements of theater history, culture, analysis, response, creative process, and integrated studies.

THEATRE ARTS, SPECIAL TOPICS: STAGECRAFT

1 semester course, 1 credit, offered 2nd semester only, may be repeated up to 3 times – *Prerequisites: Students must have completed Theatre Production with at least a "C"; audition and instructor permission are required prior to enrollment* (DOE Course Code: 4254)

Students taking this course focus on a specific subject related to theatre arts, such as: Shakespeare, Children's Theatre, Directing, Arts Management, and other specialized areas of study. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

THEATRE PRODUCTION

1 semester course, 1 credit, offered 1st semester only, may be repeated up to 3 times – *Prerequisites: Students must have completed all previous theatre courses with at least a "C"; audition and instructor permission are required prior to enrollment* (DOE Course Code: 4248)

Students enrolled in Theatre Production take on responsibilities associated with rehearsing and presenting a fully mounted theatre production. They read and analyze plays to prepare for production; conceive and realize a design for a production, including set, lighting, sound and costumes; rehearse and perform roles in a production; and direct or serve as assistant director for a production. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students investigate a theatre arts career then develop a plan for potential employment or further education through audition, interview, or presentation of a portfolio. Students also attend and critique theatrical productions and volunteer to support theatre in their community.

FAMILY AND CONSUMER SCIENCES

		Grade Level
	Adult Roles and Responsibilities	11 12
	Advanced Child Development	9 10 11 12
	Advanced Nutrition and Wellness	9 10 11 12
	Child Development	9 10 11 12
⧗ #	Culinary Arts & Hospitality I	11
	Fashion and Textiles Careers I & II	10 11 12
	Human and Social Services I	11 12
	Interpersonal Relationships	9 10 11 12
#	Introduction to Culinary Arts & Hospitality	10 11 12
	Introduction to Housing & Interior Design	10 11 12
	Nutrition and Wellness	9 10 11 12
	Preparing for College and Careers	9 10
	Work Based Learning Capstone, Multi Pathways	12

⧗ Dual Credit available from Ivy Tech-Central Indiana (Indianapolis)
\# CNA, EMT, ProStart, and ServSafe certifications offered

ADULT ROLES AND RESPONSIBILITIES

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 5330)

Adult Roles and Responsibilities is recommended for juniors and seniors 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. Project based and service learning opportunities.

ADVANCED CHILD DEVELOPMENT

1 semester course, 1 credit, offered 2nd semester – *Prerequisites: Child Development* (DOE Course Code: 5360)

Advanced Child Development is for those students interested in life foundations, academic enrichment, and/or careers related to knowledge of children, child development, and nurturing of children. This course addresses issues of child development from age 4 through age 8 (grade 3). It builds on the *Child Development* course, which is a prerequisite. *Advanced Child Development* includes the study of professional and ethical issues in child development; child growth and development; child development theories, research, and best practices; child health and wellness; teaching and guiding children; special conditions affecting children; and career exploration in child development and nurturing. Students will participate in project-based learning.

ADVANCED NUTRITION AND WELLNESS

1 semester course, 1 credit, offered 2nd semester – *Prerequisites: Nutrition and Wellness* (DOE Course Code: 5340)

Advanced Nutrition and Wellness is a course that provides an extensive study of nutrition. This course is recommended for all students who want to improve their diet and understand how nutrition affects the body across the lifespan. It is an especially appropriate course for students interested in careers medicine, athletic training, and dietetics. This course builds on the foundation established in *Nutrition and Wellness*. Topics include the extensive study of major nutrients, nutritional needs across the lifespan, influences on nutrition/food choices, technological and scientific influences, and career exploration in this field. Laboratory experiences will be utilized to develop food handling and preparation skills; attention will be given to nutrition, food safety, and sanitation.

CHILD DEVELOPMENT

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 5362)

This course benefits anyone who is thinking about a career in the child care field or wants information about rearing children. *Child Development* gives an overview of children from conception through age 3, and includes the study of the social, emotional, physical, and intellectual developmental patterns of children. Other topics covered are: teenage pregnancy; prenatal care; development and care of the infant, toddler, and preschooler; and behavior characteristics of children. This course also acquaints students with careers in child care services. The infant simulators will be part of this project –based course. Alternative assignments will be offered if the student's parent prefers a more traditional approach. Also included are opportunities for planning, participating, and evaluating children of the various ages studied by observation.

CULINARY ARTS AND HOSPITALITY I ⧗

FULL YEAR COURSE, 2 credits per semester, meets 2 blocks at JHS (blocks 2,3) meets 3 blocks at GLCA, recommended for junior year – *Prerequisites: Pass BOTH semesters of Introduction to Culinary Arts and Hospitality; must complete an application with the Culinary Instructors* (DOE Course Code: 5440)

Culinary Arts and Hospitality I prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the food industry, including (but not limited to) food production and services; food science, dietetics and nutrition; and hospitality and tourism. Instruction and intensive laboratory experiences may include commercial applications of principles of nutritious, aesthetic, and sanitary selection, purchasing, storage, preparation, and service of food and food products; using and maintaining related tools and equipment; managing operations in food service, food science, or hospitality establishments; and related research development and testing. Intensive laboratory experiences with commercial applications are a required component of this course of study. Students will obtain culinary experience by working in the Pony Espresso and the Branding Iron laboratories. Students will have the opportunity to be ServSafe and ProStart certified. Dual Credit is available through Ivy Tech-Central Indiana (Indianapolis) course numbers HOSP 101 and HOSP 102.

FASHION AND TEXTILES CAREERS I -

Full year course, 1 credit per semester – *Prerequisites: None* (DOE course Code 5420)

Fashion and Textiles Careers I is a class that prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the fashion industry. Major topics include: Review of the dimensions of clothing, investigation of design elements and principles, evaluating manufacturing process, reviewing the processes from fiber production to items of clothing being worn, overall review of the textile and apparel industry, investigation of fashion designers, customer relations and best practices, fashion merchandising, forecasting trends, impact of social media on the fashion industry, and career exploration and experience. A project-based approach with commercial/industry applications is a key component of this course of study. Work-based experiences in the fashion industry are strongly encouraged. This course is a core component of four-year career plans for the career clusters of Personal & Commercial Services; Manufacturing & Processing; and Art, A/V Technology & Communications. It is recommended for students with interests in apparel, textiles, and fashion career pathways and provides the foundation for continuing study.

FASHION AND TEXTILES CAREERS II

Full year course, 1 credit per semester – *Prerequisites: Fashion and Textiles Careers I* (DOE Course Code: 5421)

Textiles II will provide students with the principles of fashion and wardrobe planning both through study of fashion, its elements, and advanced textile construction techniques. Textiles II uses a project-based approach as students use advanced construction techniques, learn how to use and interpret more difficult pattern instructions, and learn how to work with fibers and fabrics that require special handling. The importance of quality work is stressed extensively. Students will become aware of the elements and principles of design as they apply to expression of clothing, and as they explore enhancements specific to body types. There will be discussion regarding the impact of style, fashion, trends, and fads on the fashion industry. Students will be taught the skills necessary to achieve fashion sense and how to apply these principles. This course will also deal with the influences of color, fabrics, figures, and media. In addition, Textiles II builds a foundation for the career clusters that encompass careers in fashion, apparel, and other textiles management, production and services. It is recommended for students with interests in apparel, textiles, and fashion career pathways and provides a foundation for continuing study. Experiences may be either school-based or industry based.

HUMAN AND SOCIAL SERVICES I

1 semester course, 1 credit per semester, offered both semesters, recommended for junior year – *Prerequisites: At least one of the following courses: Health Science Education I, Nutrition and Wellness, Interpersonal Relationships, Child Development, or Human Development and Wellness* (DOE Course Code: 5336)

Human and Social Services I is an introductory course in the Health Care Pathway for students interested in careers in human and community services and other helping professions. Areas of exploration include family and social services, youth development, and adult and elder care. Students will be introduced to human and social services professions through presentations from a variety of guest speakers, job shadowing, and/or field trips. Case studies, role play, and application of professional codes of ethics will be utilized, reflecting the challenges of working in diverse communities. Service learning experiences will be offered. Achievement of applicable FACS, academic, and employment abilities will be documented through a student portfolio.

INTERPERSONAL RELATIONSHIPS

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 5364)

Interpersonal Relationships is an introductory course in the Education and Training Pathway that is especially relevant for students interested in careers that involve interacting with people both inside and outside of a business/organization, including team members, clients, patients, customers, and the general public. It is also valuable for all students as a life foundation and for academic enrichment. This course addresses knowledge and skills needed for positive and productive relationships in career, community, and family settings. Major course topics include communication skills; leadership, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships.

INTRODUCTION TO CULINARY ARTS AND HOSPITALITY

Full year course, 1 credit per semester – *Prerequisites: Pass Nutrition and Wellness and Advanced Nutrition and Wellness* (DOE Course Code: 5438)

Introduction to Culinary Arts and Hospitality prepares students for a possible career in the food service industry. This 2-semester course focuses on basic culinary skills that include sanitation; knife safety; various cooking methods; proper use of kitchen equipment; nutritious menu planning; using standardized recipes; working with people, business math, and portion control. Students will perform lab-based projects in a commercial lab. The curriculum is based on the ProStart curriculum. Students will have the opportunity to be ServSafe certified and ProStart certified if continuing to Culinary & Hospitality Management.

INTRODUCTION TO HOUSING AND INTERIOR DESIGN

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 5350)

This course is essential for students interested in academic enrichment or a career within the interior design, housing, or furnishing industries. Students in this course gain practical knowledge and skills in designing and decorating residential and commercial environments. The student will work independently to create a major design project which will incorporate reading blueprints, rendering floor plans, and selecting decorative swatches to illustrate the principles and elements of design.

NUTRITION AND WELLNESS

1 semester course, 1 credit, offered 1st semester – *Prerequisites: None* (DOE Course Code: 5342)

This basic course provides experience in planning and preparing nutritious foods based on MyPlate, following directions, using recipes, and practicing safety and sanitation procedures. Emphasis is placed on safe and sanitary preparation techniques, cooperative work habits in a group setting, broadening one's awareness of the ever-changing food products available to consumers, science and technology used with nutrition, and careers related to nutrition and wellness. Food groups studied include; fruits, vegetables, protein, dairy, and grains. *Nutrition and Wellness* is a lab-based course.

PREPARING FOR COLLEGE AND CAREERS

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 5394)

This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, and developing career plans. Other topics addressed include: exploration of personal aptitudes, interests, values, and goals; planning and building employability skills; transferring school skills to life and work; and managing personal resources.

MATHEMATICS

General Course Selections
- Integrated Mathematics I
- Integrated Mathematics II
- Integrated Mathematics III
- Algebra I
- Algebra II
- Geometry
- Probability and Statistics
- Trigonometry

CP Course Selections
- Algebra I CP
- Algebra II CP
- Geometry CP
- ⧗ Finite Mathematics
- ⧗ PreCalculus/Trigonometry CP
- ⧗ Calculus

Honors Selections
- Geometry H
- Algebra II H
- ⧗ PreCalculus/Trigonometry H
- Statistics, AP
- Calculus AB: AP

⧗ Dual Credit available from Ivy Tech

Alphabetical List of Mathematics Department Course Descriptions

ALGEBRA I

Full year course, 1 credit per semester – *Prerequisites: 1st semester, teacher recommendation; 2nd semester, passing grade in 1st semester* (DOE Course Code: 2520)

Algebra I provide a formal development of the algebraic skills and concepts necessary for students who will take other math courses. In particular, the instructional methods in this course provide for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include: properties of real numbers, solution sets, basic operations with polynomials, solving quadratic equations and systems of equations, use of exponents, and introductory topics from statistics and probability.

ALGEBRA II

Full year course, 1 credit per semester – *Prerequisites: For Algebra II, the Prerequisite is Algebra I; for Algebra II CP, it is Algebra I, passed with a "C" or better; for Algebra II H, they are Algebra I and Geometry H, both passed with an 80% grade; or teacher recommendation* (DOE Course Code: 2522)

This course is taught in different classes based on learning styles and student skill level. *Algebra II H* it operates at a deeper, more challenging level and runs at a quicker pace.

Algebra II expands on the topics of *Algebra I* and provides further development of the concept of a function. The expanded topics of the course include: (1) the theorems and algorithms of algebra; (2) polynomials and polynomial functions; (3) rational exponents; (4) the complex number system; (5) sequences and series; (6) exponential and logarithmic functions; and (7) algebraic fractions.

CALCULUS ⧗

Full year course, 1 credit per semester – *Prerequisite: Pre-Calculus (passed with a C or better)* (DOE course code: 2527)

Calculus expands a student's knowledge of topics including functions, graphs, limits, derivatives, and integrals. Additionally, students will review algebra and functions, modeling, and trigonometry. The use of graphing calculators is encouraged.

CALCULUS AB: AP

Full year course, 1 credit per semester – *Prerequisites: Geometry H, Algebra II H, and H, passed with an 80% or higher or better* OR teacher recommendation (DOE Course Code: 2562)

Calculus AP is a two-semester course for highly motivated math students. Students in this course will take the AB level Advanced Placement Test in Calculus on a predetermined date in May. College credit may be earned for this course. This is a course which provides students with the content that has been established by the College Board. Topics include: (1) limits, (2) continuity, (3) derivatives, (4) definite integrals, and (5) techniques of integration involving rational, trigonometric, logarithmic, and exponential functions. This course also includes applications of the derivative, the integral, and the theory of calculus. The use of graphing technology is required. Dual Credit may be earned through Ivy Tech course number MATH 211.

FINITE MATHEMATICS ⧗

Full year course, 1 credit per semester – *Prerequisites: Algebra II CP and Geometry II CP, passed with a "C" or better* (DOE Course Code: 2530)

Finite Mathematics is an umbrella of mathematical topics. It is a course designed for students who will undertake higher-level mathematics in college that may not include calculus. Topics include: (1) counting techniques, (2) matrices, (3) recursion, (4) graph theory, (5) social choice, (6) linear programming, and (7) game theory. Dual \Credit may be earned through Ivy Tech course number MATH 135.

GEOMETRY

Full year course, 1 credit per semester – *Prerequisites: For Geometry, the Prerequisites are Algebra I and Algebra II; for Geometry CP, they are Algebra I and Algebra II CP; passed with a "C" or better; for Geometry H, it is teacher recommendation (if they took Algebra I in 7th or 8th grade, they must have passed with an 80% or higher)* (DOE Course Code: 2532)

This course is taught in different classes based on learning styles and student skill level. *Geometry H* operates at a deeper, more challenging level and runs at a quicker pace.

Geometry students examine the properties of two- and three-dimensional objects. Proof and logic, as well as investigative strategies in drawing conclusions, are stressed. Properties and relationships of geometric objects include the study of: (1) points, lines, angles, and planes; (2) polygons, with a special focus on quadrilaterals, triangles, and right triangles; (3) circles; and (4) polyhedra and other solids.

INTEGRATED MATHEMATICS I

Full year course, 1 credit per semester – *Prerequisites: teacher/counselor recommendation* (DOE Course Code: 2554)

Integrated Mathematics I formalizes and extends the mathematics students learned in the middle grades. The critical areas deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Integrated Mathematics I uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

INTEGRATED MATHEMATICS II

Full year course, 1 credit per semester – *Prerequisites: Algebra I or teacher/counselor recommendation* (DOE Course Code: 2556)

Integrated Mathematics II focuses on quadratic expressions, equations, and functions by comparing their characteristics and behavior to those of linear and exponential relationships from Integrated Mathematics I. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, rounds out the course. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

INTEGRATED MATHEMATICS III

Full year course, 1 credit per semester – *Prerequisites: Integrated Mathematics II (*DOE Course Code: 2558)

Integrated Mathematics III provides students the opportunity to pull together and apply the accumulation of learning that they have from their previous courses. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to include general triangles. Finally, students bring together all of their experiences with functions and geometry to create models and solve contextual problems. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

PRECALCULUS/TRIGONOMETRY CP

Full year course, 1 credit in PreCalculus 1st semester and 1 credit in Trigonometry 2nd semester – *Prerequisites: Algebra I, Geometry CP, and Algebra II CP; passed with a "C" or better (*DOE Course Code: 2564 and 2566)

PreCalculus CP blends together all concepts and skills that must be mastered prior to enrollment in a college-level calculus course. A functional approach provides for the integration of all of the concepts listed for the course in Trigonometry plus: (1) the relationship of equations and graphs of linear, quadratic, and parametric equations; and (2) translation of axes. The course includes the theory of equations and exponential and logarithmic functions. Dual Credit may be earned through Ivy Tech course numbers MATH 136 and MATH 137.

PRECALCULUS/TRIGONOMETRY H

Full year course, 1 credit in PreCalculus 1st semester and 1 credit in Trigonometry 2nd semester – *Prerequisites: Geometry H and Algebra II H with an 80% or higher OR teacher recommendation* (DOE Course Code: 2564 and 2566)

PreCalculus H operates at a deeper, more challenging level and runs at a quicker pace. Dual Credit may be earned through Ivy Tech course numbers MATH 136 and MATH 137.

Semester 1: *PreCalculus H* blends the concepts and skills that must be mastered before enrollment in a college-level calculus course. The course includes the study of (1) relations and functions, (2) exponential and logarithmic functions, (3) complex numbers, (4) sequences and series, and (5) data analysis.

Semester 2: Trigonometry includes the study of (1) trigonometry in triangles, (2) trigonometric functions, (3) trigonometric identities and equations, and (4) polar coordinates and complex numbers.

PROBABILITY AND STATISTICS

1 semester course, 1 credit, offered 2nd semester – *Prerequisite: Algebra II (passed with a C or better)* (DOE course code: 2546)

Probability and Statistics includes the concepts and skills needed to apply statistical techniques in the decision-making process and is made up of three strands: Data Analysis, Experimental Design, and Probability. Practical examples based on real experimental data are used throughout. Students plan and conduct experiments or surveys and analyze the resulting data. The use of graphing calculators and computer programs is encouraged.

STATISTICS: AP

Full year course, 1 credit per semester – *Prerequisites: Algebra II CP or H, Geometry CP or H, passed with a grade of "C" or better, can be taken concurrently with PreCalculus or Calculus* (DOE Course Code: 2570)

Statistics AP is a course in which students interpret graphical displays of distributions, summarize distributions, and explore bivariate data. Students study methods of collecting data and planning and conducting surveys and experiments. Probability is explored through simulations, probability rules, random variables, normal distributions, binomial distributions, geometric distributions, and the Central Limit Theorem. Statistical inference is studied through confidence intervals for means and proportions and through tests of significance. Students are encouraged to take the Advanced Placement exam in May. Most 4-year degrees require at least one Statistics course be taken. A passing score on the AP exam will earn credit for an introductory Statistics course at most universities.

TRIGONOMETRY

1 semester course, 1 credit, offered 1st semester – *Prerequisite: Algebra II and Geometry (passed with a C or better)* (DOE course code: 2566)

Trigonometry provides the foundation for common periodic functions that are encountered in many disciplines and consists of seven strands: Conics, unit circle, Geometry, Periodic Functions, Identities, Polar Coordinates, and Vectors. Students will also advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates.

MUSIC AND DANCE

Note: Any student interested in auditioning for or participating in any of the all-state bands, orchestras, or choirs must be enrolled in the appropriate Jefferson High School curricular organization. For example, in order to audition for All State Choir, the student MUST be enrolled in one of the JHS choirs.
A Jefferson High School student interested in participating in the Indiana State School Music Association District or State Solo/Ensemble Contest must be enrolled and be an active participant in the appropriate musical organization which the student is representing. This means that vocal soloists or vocal ensemble members must be enrolled in a Jefferson Choir organization, piano soloists must be enrolled in a JHS musical organization, and wind/string/percussion instrumentalists must be enrolled in either band or orchestra at JHS.

Choral Music:
- Beginning Chorus, Accents (female)
- Beginning Chorus, C.S.N. (male)
- Intermediate Chorus, A Cappella
- Advanced Chorus, Expressions (female)
- Advanced Chorus, Varsity
- Vocal Jazz, First Edition

Dance:
- Dance Performance I, II, III
- Dance Performance, Varsity Dance Team

Instrumental Music:

Band and Percussion
- Beginning Concert Band
- Intermediate Concert Band I Symphonic Band I
- Intermediate Concert Band II, Symphonic Band II
- Advanced Concert Band, Wind Ensemble
- Beginning Concert Band, Percussion
- Intermediate Concert Band, Percussion
- Advanced Concert Band, Percussion

Orchestra
- Orchestra I - Beginning
- Orchestra II - Intermediate
- Orchestra III - Advanced

Other Band
- Dance Performance, Color Guard
- Jazz Ensemble

Other Music:
- Electronic Music: Composing with Digital Tools I
- Electronic Music: Composing with Digital Tools II
- Music History and Appreciation
- Music Theory and Composition I
- Music Theory, AP
- Piano and Electronic Keyboard I
- Piano and Electronic Keyboard II
- Piano and Electronic Keyboard II: H

Music and Dance Department Course Descriptions by Emphasis

Choral

BEGINNING CHORUS, ACCENTS

Full year course, 1 credit per semester *Prerequisites: None* (DOE Course Code: 4182)

Accents girls' chorus is a co-curricular ensemble open to any female who desires to improve her vocal technique, performing skills, and general musicianship. Daily work in this ensemble stresses the fundamentals of vocal technique while performing on a limited basis. Students will be exposed to a variety of repertoire appropriate to the age and skill level of the participants. Students are responsible for purchasing the required performance attire.

BEGINNING CHORUS, C.S.N.

Full year course, 1 credit per semester – *Prerequisites: None* (DOE Course Code: 4182)

C.S.N. (Chorale Sine Nomine = the choir with no name) is open to any male who desires to improve his vocal technique, performing skills, and general musicianship. Daily work in this ensemble stresses the fundamentals of vocal technique while performing on a limited basis. Students will be exposed to a variety of repertoire appropriate to the age and skill level of the participants. Students are responsible for purchasing the required performance attire.

INTERMEDIATE CHORUS, A CAPPELLA

Full year course, 1 credit per semester – *Prerequisites: Audition and permission of instructor* (DOE Course Code: 4186)

A Cappella is a mixed chorus open to students that stresses intermediate to advanced vocal technique and performing skills. Members of this ensemble sing a wide variety of choral literature including traditional, Broadway, folk, popular, and world music. Staging and choreography are incorporated into some of this ensemble's performances. A Cappella rehearses on a limited basis outside of school hours and has competitions on some weekends. Students are responsible for purchasing the required performance attire.

ADVANCED CHORUS, EXPRESSIONS

permission of instructor (DOE Course Code: 4188)

Expressions is a women's show choir open to students by audition. Daily work stresses advanced vocal technique as well as medium to advanced vocal repertoire. Students will experience a variety of vocal styles and musical genres. Performance repertoire will include choreography. Students are responsible for purchasing the required performance attire.

ADVANCED CHORUS, VARSITY

Full year course, 1 credit per semester – *Prerequisites: Audition and permission of instructor* (DOE Course Code: 4188)

Varsity Singers is a mixed chorus open to students by audition. Daily work stresses advanced vocal technique as well as advanced vocal repertoire. Students will experience a variety of vocal styles, musical genres, and historical periods of music. Introductions to music listening, music history, and music theory are incorporated into the course as well. Students are responsible for purchasing the required performance attire.

VOCAL JAZZ, FIRST EDITION

Full year course, 1 credit per semester – *Prerequisites: Audition and permission of instructor* (DOE Course Code: 4184)

First Edition is a mixed chorus open to students by audition. This choir experience stresses the performance of medium to advanced musical literature including traditional, Broadway, folk, popular, and world music. Advanced staging and choreography are incorporated into this ensemble's performances. Students will be exposed to a variety of quality repertoire appropriate for their age and skill level. Students may have the opportunity to hear live performances by professionals during and outside of class. Students are responsible for purchasing the required performance attire.

Dance

DANCE PERFORMANCE

Learning activities in choreography are sequential and systematic and allow students to express themselves. A wide variety of materials and experiences are used in order to provide students with the knowledge, skills, and appreciation of the multi-styled and multicultural dance expressions. Activities are designed to develop students' ability to:

- translate ideas, images, emotions, perceptions, and personal experiences into movement
- improvise, using immediate and spontaneous responses:
- experiment and apply concrete and abstract concepts;
- produce a concept and design using a selection of style, content, and accompaniment;
- understand musical phrasing, rhythmic structures, meters, and musical application within choreography;
- research production and technical skills required for an actual performance; make interpretive decisions; and
- create and include accompaniment rehearsals, costume and props, and set and lighting design
- identify ways that dance reflects, records, and influences history.
- identify patterns, relationships, and trends dance plays in at least two different cultures and discuss how aesthetic judgments vary between them.
- research the origins of and the universal themes of dance.
- Using a modern dance-based approach, Dance courses explore movement as a creative art form. Student learning includes opportunities to develop kinesthetic awareness, proper body alignment, physical strength, flexibility, endurance, and care of the dance instrument while exploring improvisational and expressive movement and basic modern dance technique. Dance elements and basic principles of composition are studied and practiced. Through dance ensemble work, students use creative and critical thinking skills to create and communicate meaning through dance movement. Students experience the role of both choreographer and dancer and have opportunities to present their work. Through the study of dance in various cultures and historical periods, students broaden their understanding of dance as an art form. Students will explore a variety of career opportunities in dance as well as connections with other art forms and subject areas. Students will create a portfolio which contains written and/or visual examples of their work. Choreographic activities provide students opportunities to participate in roles as soloist, a choreographer or leader, and in a subject role. Students experience and learn to use appropriate terminology to describe, analyze, interpret, and critique dance compositions by professional individuals or companies. Students may attend dance performances within class to broaden their understanding and appreciation of the art form.

DANCE PERFORMANCE I

Full year course, 1 credit per semester – *Prerequisites: Must pass each semester before continuing on to next semester; or permission of instructor. Due to space constraints, preference is given to upperclassmen.*
(DOE Course Code: 4146)

Students will begin their dance training with ballet and modern dance genres. *Dance I* will focus on proper terminology, body alignment and understanding of the specific dance genres. Students will study dance history. Students in this course are expected to perform at the semester recital as part of their grade.

DANCE PERFORMANCE II

Full year course, 1 credit per semester – *Prerequisites: Dance Performance I with grade of "C" or better and permission of instructor. Students with previous dance experience may obtain permission from instructor to enroll.*
(DOE Course Code: 4146)

After successfully completing *Dance I*, students may enroll in *Dance II*, which expands on their previous knowledge. Cultural dance is studied. Students also study and learn Broadway/musical theatre style dance, along with ballet, jazz and modern styles. Students will study dance history of specific genres. As part of the student's grade, they are required to perform at the semester recital, and may incur a costume fee.

DANCE PERFORMANCE III - TECHNIQUE

Full year course, 1 credit per semester – *Prerequisites: Audition and permission of instructor* (DOE Course Code: 4146)

At the advanced level students are expected to learn phrases more quickly. Students work to develop an articulate, alert and neutral body, ready for precise dancing with intricate coordination. Clarity, simplicity of movement, and attention to detail are key objectives. This class will focus on technique, strength, and flexibility. As part of the student's grade, they are required to perform at the semester recital, and may incur a costume fee.

DANCE PERFORMANCE, VARSITY DANCE TEAM

Full year course, 1 credit per semester – *Prerequisites: Audition and permission of instructor* (DOE Course Code: 4146)

This class is designed for members of the Bronchos Dance Team (auditions held in May of previous school year). Students have the opportunity to experience professional performances and master classes during and outside of the school day. A limited amount of time, outside of the school day, may be scheduled for additional rehearsals and performances. A limited number of public performances will serve as a culmination of daily rehearsal and dance goals. Students must participate in performance opportunities, outside of the school day, that support and extend learning in the classroom.

Instrumental

Band

BEGINNING CONCERT BAND

Full year course, 1 credit per semester – *Prerequisites: Recommendation of 8th grade director or permission of instructor* (DOE Course Code: 4160)

Concert Band is open to all qualified band students at Jefferson. The skill level of the players in this band has a minimum performance expectation. The Director of Bands will listen to interested students entering the Lafayette School Corporation and grant permission for enrollment in the band. The band stresses the basic skills of tone production, technical development, intonation, and rhythmic reading plus attention to balance, blend, interpretive markings, and response to conducting nuance.

INTERMEDIATE CONCERT BAND I, SYMPHONIC BAND I

Full year course, 1 credit per semester – *Prerequisites: Demonstration of basic skills proficiency, audition and permission of the Director of Bands*
(DOE Course Code: 4168)

Symphonic Band I is open to all students who choose to continue playing their musical instruments and who continue to demonstrate basic performance skills on their musical instruments. Students who take this class will be exposed to music which continues the development started in *Beginning Concert Band*. The members will be exposed to solo and ensemble activities which will develop many musical elements including improved tone production, more advanced technical skills (such as more advanced key signature demands, more complex rhythmic notation), increased listening requirements (mainly harmonic in nature), and further study of the style of the music studied. Music selected will be developmentally appropriate to support these advancements. Students will evaluate and analyze their practices and performances.

INTERMEDIATE CONCERT BAND II, SYMPHONIC BAND II

Full year course, 1 credit per semester – *Prerequisites: Demonstration of basic skills proficiency, audition and permission of the Director of Bands* (DOE Course Code: 4168)

Symphonic Band II is open to all brass and woodwind students who choose to continue playing their musical instruments and who continue to demonstrate basic performance skills on their musical instruments. Students who take this class will be exposed to music which continues the development started in Beginning Concert Band and/or Symphonic Band I. The members will be exposed to solo and ensemble activities which will develop many musical elements including improved tone production, more advanced technical skills (such as more advanced key signature demands, more complex rhythmic notation), increased listening requirements (mainly harmonic in nature), and further study of the style of the music studied. Music selected will be developmentally appropriate to support these advancements. Students will evaluate and analyze their practices and performances.

ADVANCED CONCERT BAND, WIND ENSEMBLE

Full year course, 1 credit per semester-*Prerequisites: Audition and permission of the Director of Bands* (DOE Course Code: 4170)

The *Wind Ensemble* is the premier wind and percussion performance ensemble at Jefferson High School. Enrollment is limited to students selected by audition or promoted by the Director of Bands from successful completion of Beginning and/or Intermediate Concert Band. Students are required to take private lessons. Scholarship money for lessons will be available to students selected for this ensemble who have a financial need. Through the selection of appropriate advanced concert band literature, members will be exposed to advanced concepts such as: advanced technical skills, refinement in tone production, increased awareness of balance and blend, and increased demands to the performer due to the construction of the musical texturing. Students will be exposed to literature commensurate with the expectation of the most advanced musical techniques applicable to the high school setting. The musical literature will primarily be on the difficulty level found on the *Group I Indiana State School Music Association* music list.

Percussion

BEGINNING CONCERT BAND, PERCUSSION

Full year course, 1 credit per semester – *Prerequisites: Audition and permission of the Director of Bands and percussion instructor* (DOE Course Code: 4160)

Beginning Percussion is open to freshmen and other developing percussionists at Jefferson High School. The skill level of the players in this class has a minimum performance expectation. Students in this class have at least 2-3 years of experience in the middle school. The class stresses the basic skills of technical development, rhythmic and melodic reading, and musical development for future placement in one of several concert bands. Principal focus is given to the snare drum, mallets, and timpani.

INTERMEDIATE CONCERT BAND, PERCUSSION

Full year course, 1 credit per semester – *Prerequisites: Audition and permission of the Director of Bands and percussion instructor. Recommended prior experience: Beginning Concert Band, Percussion* (DOE Course Code: 4168)

Intermediate Percussion is an intermediate-level class ensemble consisting of developing percussionists at Jefferson High School. Students in this class have at least 2-3 years of experience in the middle school, and most will have completed *Beginning Percussion*, as well. The class continues developing basic skills in proper performance technique, rhythmic and melodic reading, and musical development. Principal focus is given to the snare drum, mallets, and timpani.

ADVANCED CONCERT BAND, PERCUSSION

Full year course, 1 credit per semester – *Prerequisites: Audition and permission of the Director of Bands and percussion instructor. Recommended prior experience: Beginning Concert Band, Percussion and/or Intermediate Concert Band, Percussion* (DOE Course Code: 4170)

Advanced Percussion is the premier performance ensemble class for percussion students at Jefferson. Students have at least 2-3 years of experience in middle school and most have additional high school experience. The students in this class possess a special desire to study the techniques, music, and instruments associated with advanced percussion performance. Students gain skills and knowledge that are able to transfer to applications in traditional concert bands and orchestras.

Orchestra

ORCHESTRA I, BEGINNING

Full year course, 1 credit per semester – *Prerequisites: A minimum of one-two years playing in a school orchestra.* (DOE Course Code: 4166)

This orchestra will focus on improving the technical aspects of the individual player. Goals for the class include executing basic orchestral and string playing techniques, e.g. scales, note reading, rhythms, tone production and listening as a member of an ensemble.

ORCHESTRA II, INTERMEDIATE

Full year course, 1 credit per semester – *Prerequisites: A minimum of three years of playing in a school orchestra.* (DOE Course Code: 4172)

This orchestra will focus on reading and working on intermediate string orchestra literature with a focus on music from ISSMA's group II, III and IV lists. Basic and intermediate technical skills will be emphasized in every class. Goals for the class include reading and understanding a variety of rhythmic examples and producing a good tone. Students must be proficient in 2octave scales and 1st, 2nd & 3rd positions.

ORCHESTRA III, ADVANCED

Full year course, 1 credit per semester – *Prerequisites: A minimum of three years of playing in a school orchestra. Studying privately with a local professional.* (DOE Course Code: 4174)

This orchestra will focus on reading and working on advanced string orchestra literature with a focus on music from ISSMA's group I, II & III lists. Advanced technical skills will be emphasized in every class. Goals for the class include improving string techniques, producing a good tone, executing bowing articulations and rhythmic accuracy. Students must be proficient in 1st, 2nd, 3rd, 4th & 5th positions.

Other Instrumental

DANCE PERFORMANCE, COLOR GUARD

Full year course, 1 credit per semester – *Prerequisites: Audition and permission of Director of Bands and* Color Guard Director (DOE Course Code: 4146)

The Color Guard is an active performing ensemble that participates in many co-curricular performances. During the first semester, the Color Guard performs as an integral part of the Jefferson Marching band, and during second semester, students in the Color Guard will participate in Winter Guard. Students will be exposed to a variety of dance concepts, including techniques used in ballet, modern, jazz, and interpretive dance. The class will expose students to dance work that includes activities which will develop students' ability to create movements from interpretation of music. They will be able to use images, both directed and self-created, to apply to movement. Through this class they will be able to experience how musical phrasing, rhythmic structure, and pulse affect dance movement. They will be encouraged to include props, costumes, and design into their learning experiences.

The class will include, but is not limited to, activities that develop the students' ability to understand the body's physical potential; develop listening, comprehension, and memorization skills; and identify and use, both orally and in writing, appropriate terminology related to style and technique.

JAZZ ENSEMBLE

Full year course, 1 credit per semester – *Prerequisites: Audition with Jazz Ensemble Director(s). Recommended Prior Experience: Participation in the Extracurricular Swing Band.* (DOE Course Code: 4164)

The Jefferson *Jazz Ensemble* is open to students who possess exemplary skills with their instrument and pass an audition given by the Jazz Ensemble Director(s). Jazz Ensemble members automatically perform in the large jazz ensemble ("big band"), and select interested students may also perform in the smaller jazz combo (additional co-curricular rehearsal time is expected). Many styles of jazz literature are studied (swing, bebop, funk, Latin, etc.), as well as jazz theory and improvisation. There will be numerous performances throughout the year, including school functions, jazz clinics, contests, and community outreach performances. Instrumentalists other than guitarists and pianists should be enrolled in a concert band (or orchestra, for the bassist). Guitarists and pianists are expected to be highly proficient at reading music and are highly encouraged to take private lessons. Students are highly encouraged to take *Piano and Electronic Keyboard I* or *Music Theory and Composition I* prior to or concurrent with playing in this ensemble.

Other

ELECTRONIC MUSIC: COMPOSING WITH DIGITAL TOOLS I

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 4202)

Electronic Music: Composing with Digital Tools I is open to all students regardless of background. Students will learn the science of sound; types and families of musical instruments, principles of organizing rhythm, melody, diatonic harmony, and form in music; the principles behind working in a digital audio workstation (DAW); and the techniques (editing, mixing, automation, processing, and basic MIDI sequencing) necessary to create digital music projects of high quality. Students in the course will experience the imagining, planning and making, evaluating and refining, and presenting phases of the composition process and reflect on that experience. No prior formal training or musical experience is expected.

The course is taught in a classroom/computer laboratory environment. Independent work is a significant component in the course, so students should be prepared to maintain their self-discipline and motivation.

ELECTRONIC MUSIC: COMPOSING WITH DIGITAL TOOLS II

Full year course, 1 credit per semester – *Prerequisites: Semester 1: Successful completion of Composing with Digital Tools I (grade of "C" or higher); semester 2: successful completion of the 1st semester of Composing with Digital Tools II (grade of "C" or higher)* (DOE Course Code: 4202)

Students in *Composing with Digital Tools II* will learn the principles of digital audio sampling and file formats; advanced audio production techniques (compression, spatialization, filtering, pitch changing and time stretching); MIDI sequencing and advanced MIDI editing; approaches to composing with sound objects, gestures and spectromorphological archetypes; texture, density, and form in acousmatic music; processes and techniques of melodic development; functional diatonic and chromatic harmony, outer-voice counterpoint, and voice leading; orchestration; and ; and composing with leitmotifs. Students will also explore the historical evolution of sound technologies, the difference between transparent and transformative uses of sound technologies, and historical approaches to composition.

Projects may include sound design and composing for film, children's book multimedia adaptation, songwriting, and experimental approaches to acousmatic composition. Students in the course will further develop their awareness and experience of the imagining, planning and making, evaluating and refining, and presenting phases of the composition process.

The course is taught in a classroom/computer laboratory environment. Independent work is a significant component in the course, so students should be prepared to maintain their self-discipline and motivation.

MUSIC HISTORY AND APPRECIATION offered even years (2020)

1 semester course, 1 credit, offered 2nd semester – *Prerequisites: None* (DOE Course Code: 4206)

Students in this class will receive instruction that is designed to explore major musical styles through understanding music in relation to both Western and non-Western history. Activities will include listening, analysis, evaluation of performance, and exposure to various musical performances. In order to understand these styles, basic musical elements will be explored. Segments included in this class will be music from the classical period to jazz to rock and roll and the influences of electronic music.

MUSIC THEORY AND COMPOSITION I

Full year course, 1 credit per semester – *Prerequisites: Semester 1: music-reading ability and working knowledge of keyboard (demonstrated through successful completion of Piano and Electronic Keyboard I-1 or by audition/placement exam); semester 2: successful completion of the 1st semester of Music Theory and Composition I (grade of "C" of higher). Recommended Prior Experience: Three years or more of middle- and high-school music performance classes* (DOE Course Code: 4208)

Students in *Music Theory I* will learn the fundamental elements and collections of music (rhythm, pitch, scales, keys, intervals, and chords) and be introduced to higher-order principles of musical structure, relation, and organization in functional tonal music (meter, tonality, melodic structure, key relationships). Students will also acquire related musicianship skills in aural identification of rhythms, intervals, scales/modes, and melodies; singing fundamental melodic patterns; and playing fundamental melodic patterns at the keyboard.

Music Theory and Composition I is taught in a classroom/computer laboratory environment and is designed for those students who have prior formal musical training in band/choir/orchestra/piano and music-reading fluency. Students without that background should schedule an appointment with the music theory coordinator to determine whether admission is appropriate.

MUSIC THEORY, AP

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of the 2nd semester of Music Theory and Composition I (grade of "C" or higher) or by audition/placement exam; semester 2: successful completion of the 1st semester of AP Music Theory (grade of "C" or higher)* (DOE Course Code: 4210)

Students in *AP Music Theory* will expand their grasp of higher-order principles of musical structure and organization in functional tonal music. Topics will include species counterpoint, four-part chorale-style voice leading, reductive analysis, harmonic paradigms, analysis of phrase structures and relationships, and advanced musicianship (aural skills, sight singing, and keyboard).

Advanced Placement (AP) Music Theory is taught in a classroom/computer laboratory environment and is designed for those students who have significant prior formal musical training and experience and who wish to receive AP transcript credit. Students without that background should schedule an appointment with the music theory coordinator to determine appropriate placement.

PIANO AND ELECTRONIC KEYBOARD I

Full year course, 1 credit per semester – *Prerequisites: Semester 1: none; semester 2: successful completion of the 1st semester of Piano and Electronic Keyboard I or audition/placement exam* (DOE Course Code: 4204)

Piano and Electronic Keyboard I is taught in a classroom/piano laboratory environment and is intended for those with little or no formal keyboard training. Students with previous formal training in piano should schedule an appointment with the class piano coordinator to audition to be placed in *Piano and Electronic Keyboard I* or *II*, as appropriate. Independent work is a significant component in *Piano and Electronic Keyboard*, so students should be prepared to maintain their discipline and motivation.

Fees: Students will purchase course materials from Book Rental and may also be responsible for purchasing additional solo material(s). Students may be required to pay admission fees to any concerts attended or field trips taken during the course.

PIANO AND ELECTRONIC KEYBOARD II

Full year course, 1 credit per semester – *Prerequisites: Semester 1: "C" or better in the 2nd semester of Piano and Electronic Keyboard I or audition/placement exam; semester 2: successful completion of the 1st semester of Piano and Electronic Keyboard II or audition/placement exam* (DOE Course Code: 4204)

Piano and Electronic Keyboard II is taught in a classroom/piano laboratory environment and is intended for those students who have successfully completed *Piano and Electronic Keyboard I* or acquired the equivalent skills through other formal training.

Independent work is a significant component in *Piano and Electronic Keyboard*, so students should be prepared to maintain their discipline and motivation.

PIANO AND ELECTRONIC KEYBOARD II: H

Full year course, 1 credit per semester – *Prerequisites: Semester 1: "B" or better in Piano and Electronic Keyboard I; semester 2: successful completion of the 1st semester of Piano and Electronic Keyboard II H or audition/placement exam* (DOE Course Code: 4204)

The *Honors* level of *Piano and Electronic Keyboard II* is taught in a classroom/piano laboratory environment and is intended for those students who have successfully completed *Piano and Electronic Keyboard I* or acquired the equivalent skills through other formal training. Students with previous formal training in piano should schedule an appointment with the class piano coordinator to audition to be placed in *Piano and Electronic Keyboard I* or *II*, as appropriate. *The honors-level curriculum is significantly more rigorous than standard Class Piano II and is designed for those students who intend to major in music in college. Studied alongside standard-level Piano II students, those enrolled for honors credit will be expected to master considerably more material and present a public performance at the end of the year. Independent work is a significant component in Piano and Electronic Keyboard: H, so students should be prepared to maintain their discipline and motivation.*

PHYSICAL EDUCATION / HEALTH

	Grade Level
Required Courses:	
Physical Education I	9 10 11 12
Physical Education II	9 10 11 12
Health and Wellness Education	9 10 11 12
Elective Courses:	
# Current Health Issues, Athletic Training, First Aid/CPR	9 10 11 12
# Elective PE, Lifeguard Training	9 10 11 12
Elective PE, Rec Sports	10 11 12
Elective PE, Team Sports	10 11 12
Elective PE, Weight Training Athletic	9 10 11 12
Elective PE, Weight Training General	9 10 11 12

CPR, First Aid, and/or Life Guard certifications offered

Physical Education / Health Department Required Course Descriptions

PHYSICAL EDUCATION I

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 3542)

This is required of all students. The course includes orientation in physical education, physical fitness, and lifelong recreation activities. *Physical Education I* emphasize health related fitness and developing the skills and habits necessary for a lifetime of activity. This program includes 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 (cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition), (2) aerobic exercise, (3) team sports, (4) individual and dual sports, and (5) recreational games. Ongoing assessment includes both written and performance-based skill evaluations.

Note: Students who need to be excused from P.E. for a short-term problem, such as a bad cold, ear or throat infection, menstrual period, etc., should report to the nurse before school with a note from the parent. A copy of the note will be placed in the student's health record and a copy given to the P.E. teacher. If a student has a health problem which prohibits or limits him/her from active participation in P.E. classes for 2 or more days, a physician's note is necessary to accompany the parent's note. Students have 5 days to bring in a doctor's note. Participation exemptions will only be granted for 5 days prior to receiving the doctor's note. Successful completion of P. E. I is required to graduate.

PHYSICAL EDUCATION II

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 3544)

This is required of all students. The course includes orientation in physical education, physical fitness, swimming, and individual and team activities. *Physical Education II* emphasizes 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 (cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition), (2) aerobic exercise, (3) team sports, (4) individual and dual sports, and (5) recreational games. This course will also include a discussion of related careers.

Note: Students who need to be excused from P.E. for a short-term problem, such as a bad cold, ear or throat infection, menstrual period, etc., should report to the nurse before school with a note from the parent. A copy of the note will be placed in the student's health record and a copy given to the P.E. teacher. If a student has a health problem which prohibits or limits him/her from active participation in P.E. classes for 2 or more days, a physician's note is necessary to accompany the parent's note. Students have 5 days to bring in a doctor's note. Participation exemptions will only be granted for 5 days prior to receiving the doctor's note. Successful completion of P. E. I is required to graduate.

HEALTH AND WELLNESS EDUCATION

1 semester course, credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 3506)

Health Education is a graduation requirement in all accredited Indiana high schools. *Health Education* classes at Jefferson High School are designed to bring the students' attention to the individual practices necessary for a healthful life, to provide examples of these practices, and to relate scientific principles and facts to everyday living. The following content areas are included in this comprehensive health education program: growth and development, mental and emotional health, community health/environmental health, nutrition, family life education, consumer health, personal health, alcohol and other drugs, intentional and unintentional injury, and health promotion/disease prevention.

PHYSICAL EDUCATION, INDEPENDENT STUDY

1 semester course, 1 credit, 1st semester only– *Prerequisites: None* (DOE Course Code: 3542)

Students may earn one credit for PE I by participating in Independent Study Physical Education. This requires participation in an IHSAA sanctioned sport at Jefferson High School and completion of required independent coursework. This course cannot be retaken if an "F" is earned, and it cannot replace an "F" in *Physical Education I*.

Course Requirements: Students MUST do all of the following

1) Attend 2 fitness testing sessions, date TBD by instructor.
2) Type 4 one-page papers, one paper due each 9-week grading period.
3) Attend 95% of practices and competitions during sport season.
4) Must successfully complete season to head coach's satisfaction.

Physical Education / Health Department Elective Course Descriptions

CURRENT HEALTH ISSUES, ATHLETIC TRAINING, FIRST AID/CPR

1 semester course, 1 credit, offered both semesters – *Prerequisites: Successful completion of Health and Wellness Education* (DOE Course Code: 3508)

This elective class includes Standard First Aid, CPR, and athletic training. The program will include skill development, testing, and certification for First Aid and CPR. It will also include basic knowledge of athletic training, bones, and muscles of the body. This class would be for the student who is interested in athletic training, physical therapy, EMT, or other medical fields.

ELECTIVE PE, LIFEGUARD TRAINING

1 semester course, 1 credit, offered both semesters – *Prerequisites: Satisfactory completion of Physical Education II; must be able to complete a 200-yard swim and tread water for 1 minute* (DOE Course Code: 3560)

This course includes Standard First Aid and CPR for the professional rescuer. This class will emphasize the above and the training to be a certified lifeguard. The program will include skill development, testing, and certification for Lifeguarding, First Aid, and CPR. The class will serve as a community service to develop lifeguards for our city pools, private residential pools, university pools, and a pool of guards for our basic PE swimming classes.

ELECTIVE PE, REC SPORTS

1 semester course, 1 credit, offered both semesters (may be taken only once) – *Prerequisites: Satisfactory completion of Physical Education I and II* (DOE Course Code: 3560)

This elective course includes golf, badminton, softball, volleyball, tennis, bowling, and lecture and demonstration of the basic skills involved in outdoor and indoor recreational activities. An emphasis is placed on cardiovascular fitness development.

ELECTIVE PE, TEAM SPORTS

1 semester course, 1 credit, offered both semesters (may be taken only once) – *Prerequisites: Satisfactory completion of Physical Education I and II* (DOE Course Code: 3560)

This elective course includes softball, touch football, volleyball, basketball, and other team activities, as well as the fundamentals and strategies in athletic officiating. Cardiovascular fitness is emphasized.

ELECTIVE PE, WEIGHT TRAINING (Athletes)

1 semester course, 1 credit, offered both semesters (may be taken more than once) – *Prerequisites: Physical Education I or II or concurrent enrollment and recommendation of a head athletic coach* (DOE Course Code: 3560)

This elective course is designed to develop strength, explosive power, flexibility, agility, coordination, quickness, speed, muscular endurance, and cardiovascular endurance. Fitness activities will be specialized for the student's sport. Seniors may only take this class 1st semester. Any student who has previously failed this class must have instructor's permission to re-take it.

ELECTIVE PE, WEIGHT TRAINING, (General)

1 semester course, 1 credit, offered both semesters (may be taken more than once) – *Prerequisites: PE 1 or summer PE* (DOE Course Code: 3560)

This elective course offers student work towards the achievement of individual fitness. The emphasis is on the health-related components of cardiovascular fitness, muscular strength, endurance, and flexibility.

SCIENCE

	Grade Level
Science Courses	
Earth and Space Science I	9 10 11 12
Biology I	9 10 11 12
Adv Sci - Zoology	10 11 12
Integrated Chemistry-Physics:	10 11 12
Physics I	10 11 12
Chemistry I	10 11 12
Adv Sci - Astronomy	11 12
Adv Sci - Genetics	11 12
Adv Sci – Geology (offered in 2019)	11 12
Adv Sci – Meteorology (offered in 2020)	11 12
Honors Science Courses	
⧫ Anatomy and Physiology H	11 12
Earth and Space Science I, H	9 10 11 12
Biology I, H	9
Adv Sci – Zoology H	10 11 12
Chemistry I, H	10 11 12
Adv Sci – Genetics H	11 12
Physics I, H	10 11 12
Science Research, Independent Study - H	9 10 11 12
⧫ Advanced Science, College Credit (L) Chemistry H	11 12
⧫ Advanced Science, College Credit (L) Physics H	11 12
Advanced Placement Science Courses	
Biology, AP	11 12
Chemistry, AP	11 12
Environmental Science, AP	11 12
Physics 1, AP	11 12
Physics 2, AP	12

⧫ Dual Credit available from Ivy Tech

Science Department Course Descriptions

ADVANCED SCIENCE, SPECIAL TOPICS, ASTRONOMY

1 semester course, 1 credit, offered 2nd semester – *Prerequisites: One year of Chemistry or Physics with a grade of "C" or better, or one year of Integrated Chemistry and Physics with a grade of "B" or better* (DOE Course Code: 3092)

This is a laboratory course.

The *Astronomy* course provides for examination of our own solar system and two heavenly bodies which are of special interest, the sun and the moon. Study is made of such space-related concepts as time, light, and navigation. Time is given also to a study of the stars, constellations, galaxies, nebulae, and, finally, how all of these things relate to the contemporary subject of space travel and the problems involved.

ADVANCED SCIENCE, SPECIAL TOPICS, GENETICS

Full year course, 1 credit per semester (semesters can be taken individually or out of sequence) – *Prerequisites: Biology I; must have passed Chemistry I, or be currently enrolled in Chemistry I* (DOE Course Code: 3092)

This is a laboratory course.

In the 1st semester of *Genetics*, students learn about the development of the human embryo, assisted reproductive technology, cloning, stem cells, chromosomal birth defects, single gene birth defects, molecular genetics, prenatal diagnosis, genetic counseling, and bioethics. In the 2nd semester, students learn about multifactorial inheritance, immune-genetics/transplantation genetics, population genetics, genetic engineering, genomics, and DNA fingerprinting. Even though this course is especially useful for students with career interests in medicine or biology, students with a variety of interests are always welcome.

ADVANCED SCIENCE, SPECIAL TOPICS, GENETICS H

Full year course, 1 credit per semester (semesters can be taken individually or out of sequence) - *Prerequisites: Biology I H; must have passed Chemistry I or be currently enrolled in Chemistry I* (DOE Course Code: 3092)

The concepts covered in Genetics are identical to those covered in Genetics Honors, although the pace of instruction is faster in Genetics Honors. In addition, students in Genetics Honors are required to do the following:

1. Complete an outside of class, independent semester project (which will be due at the end of the semester).
2. Complete three additional outside of class lab activities each 9 weeks grading period. These labs are designed to take students further into the world of genetics than what would be possible in a regular class period.

ADVANCED SCIENCE, SPECIAL TOPICS, GEOLOGY

1 semester course, 1 credit, offered 1st semester, **offered in odd years (2019)** – *Prerequisites: Successful completion of one year of Chemistry or Physics or one year of Integrated Chemistry-Physics with grades of "B" or better* (DOE Course Code: 3092)

This is a laboratory course.

This is a one-semester course designed to give students an opportunity to study the Earth's geologic forces through time. Although study is made of general processes, careful attention is paid to their effects on the landforms which surround this area. Students will interpret the geologic histories of local areas of interest through in-depth, on-site investigations. Some field work will be required for successful completion of this course.

ADVANCED SCIENCE, SPECIAL TOPICS, METEOROLOGY

1 semester course, 1 credit, offered 1st semester, offered in even years (2020) – *Prerequisites: Successful completion of one year of Chemistry or Physics or one year of Integrated Chemistry-Physics with grades of "B" or better* (DOE Course Code: 3092)

This is a laboratory course.

Meteorology is a one-semester course designed to give students an opportunity to study the Earth's atmosphere in detail. Computer modeling, remote sensing information, and direct observation are used to develop a more complete understanding of weather phenomena. This course provides for an in-depth investigation of climatology, the structure and composition of the atmosphere, and severe weather, as well as forecasting.

ADVANCED SCIENCE, SPECIAL TOPICS, ZOOLOGY

Full year course, 1 credit per semester (semesters can be taken individually or out of sequence) – *Prerequisites: Biology I ("C" or better both semesters)* (DOE Course Code: 3092)

This is a laboratory course.

This year course is intended to provide an overview of the animal kingdom. Related concepts will be explored through formal laboratory write ups, science journaling, classroom lectures, laboratory explorations, research assignments, and testing. The general focus of the course centers on the evolutionary connections between animal groups. The 1st semester focuses on invertebrate zoology while the 2nd semester focuses on vertebrate zoology. A strong background or interest in reading and writing for science content is necessary. Students who are interested in taking these semesters out of sequence should talk with a Zoology teacher first.

ADVANCED SCIENCE, SPECIAL TOPICS, ZOOLOGY H

Full year course, 1 credit per semester (semesters can be taken individually or out of sequence) – *Prerequisites: Biology I ("C" or better both semesters)* (DOE Course Code: 3092)

Zoology Honors goes into more depth than the general *Zoology* course listed above. Additionally, students enrolled in *Honors Zoology* will complete an independent research project each semester. There is no summer assignment.

ANATOMY AND PHYSIOLOGY H

Full year course, 1 credit per semester (semesters cannot be taken out of sequence) – *Prerequisites: Successful completion of Biology I with a grade of "B" or better each semester, and is currently taking Chemistry I or Chemistry I H, or has taken Chemistry I or Chemistry I H with a grade of "C" or better each semester* (DOE Course Code: 5276)

This is a laboratory course.

This two-semester course in human *Anatomy and Physiology* focuses on the aspects of the cell, the language of anatomy, levels of organization, and the following systems: skeletal, muscular, nervous, circulatory, immune, endocrine, digestive, and respiratory. Additionally, students will investigate various issues associated with the modern practice of medicine. Students will learn these concepts through a variety of activities including labs, videos, large group lectures, reading assignments, homework assignments, and projects. Dual Credit may be available through Ivy Tech course number APHY 101.

BIOLOGY I

Full year course, 1 credit per semester – *Prerequisites: None.* (DOE Course Code: 3024)

This is a laboratory course.

Biology I focus on the main pillars of modern biology: the nature of science, ecology, cell biology, genetics, and evolution. Students learn these concepts through a variety of activities including labs, computer tutorials and simulations, small group discussions, large group lectures, homework assignments, and projects.

BIOLOGY I H

Full year course, 1 credit per semester – *Prerequisites: Students should have passed or currently be enrolled in Algebra I*

(DOE Course Code: 3024)

In addition to following the course content as listed above for *Biology I,* students wishing to earn credit for *Biology 1 H (Honors)*, are required to conduct a teacher-approved independent science research project following the *Intel International Science and Engineering Fair* guidelines. This research project counts for 20% of the second 9-weeks grade and 20% of the fourth 9-weeks grade. Attendance at the *Lafayette Regional Science and Engineering Fair* is a requirement of this class.

Students who choose to take *Biology I H (Honors)* are required to complete a summer project that is due the first day of school in the fall semester. Failure to complete the summer project will result in a transfer to Biology I.

BIOLOGY, AP

Full year course, 1 credit per semester – *Prerequisites: Biology I with a grade of "B" or better each semester, Chemistry I H with a grade of "B" or better each semester or Chemistry I with a grade of "A".* (DOE Course Code: 3020)

This is a laboratory course.

Advanced Placement (AP) Biology is a second year Biology course which meets the requirements of Core 40 and the Academic Honors Diploma. A summer assignment will ensure students are entering the course with the basic background knowledge needed to achieve success.

AP Biology follows the *College Board Entrance Examination Guidelines*. The College Board states Advanced Placement Biology is a course which "provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology." This course will cover specific content within the topic areas of *Molecules and Cells*, *Heredity and Evolution*, and *Organisms and Populations*. This is a time-intensive course which demands a high aptitude and achievement in all Prerequisites accompanied with a strong work ethic.

This course has an assignment that is to be completed during the summer before the student takes the course. See the teacher's webpage for the summer assignment.

CHEMISTRY I

Full year course, 1 credit per semester – *Prerequisites: Biology I, passing grades in 2 years of Core 40 high school math, such as Algebra I, Algebra II, or Geometry; students must pass the 1st semester of Chemistry I in order to be admitted into the 2nd semester* (DOE Course Code: 3064)

This is a laboratory course.

Chemistry I meet the requirements of Core 40 and Academic Honors Diploma. *Chemistry I* is an elective course for students who intend to go on to college or technical school and who are NOT planning to major in science, engineering, mathematics, or medicine in their post-secondary studies. *Chemistry I* is time-intensive, requiring students to complete problems and write reports daily. Students should show a history of regular attendance and demonstrate strong self-motivation.

CHEMISTRY I H

Full year course, 1 credit per semester – *Prerequisites: Students must have "C" or better in: Biology I; Algebra I; either Algebra II CP or II H, or Geometry I CP or I H. Students must have passed or currently be enrolled in a third year of Core 40 high school math (examples: Algebra II, Geometry I, PreCalculus, Calculus, Statistics). Students must pass the 1st semester of Chemistry I H in order to be admitted into the 2nd semester* (DOE Course Code: 3064)

This is a laboratory course.

Chemistry I H meets the requirements of Core 40 and the Academic Honors Diploma. *Chemistry I H* is an elective course for students who are planning college majors in the sciences, engineering, mathematics, architecture, or the medical fields. The course places a strong emphasis on problem solving, mathematics, and memorization. Mathematical relationships are stressed, so students must have a firm grasp of algebra and geometry fundamentals. Applications of chemistry in the real world are stressed. Laboratory work, instrumentation, techniques, and safety are strong components of the course. *Chemistry I H* is time-intensive, requiring students to complete problems and write reports daily. Students should show a history of regular attendance and demonstrate strong self-motivation.

This course has an assignment that is to be completed during the summer before the student takes the course. See the teacher's webpage for the summer assignment.

CHEMISTRY, AP
OR
ADVANCED SCIENCE, COLLEGE CREDIT (L) CHEMISTRY

Full year course, 1 credit per semester – *Prerequisites: Grades of "B" or better in all of these: one year of Algebra I, one year of Algebra II CP or H, one year of Geometry CP or H, one year of Chemistry H. Students must have taken or be currently enrolled in PreCalculus. Students must pass the 1st semester of the respective course in order to be admitted into the 2nd semester. It is strongly recommended that students enrolled in either of these two courses be currently enrolled in or have already completed either Honors Physics I or A.P. Physics I. The A.P. Chemistry course syllabus has been audited and approved by the College Board. Ivy Tech Community College has also approved the Course Syllabus so that students may receive dual credit. The approved course syllabus lists Honors Physics I or A.P. Physics I as a corequisite or prerequisite.* [DOE Course Code: 3060 AP Chemistry or 3090 Advanced Science, College Credit (L) Chemistry]

These are laboratory courses.

These courses are second year Chemistry courses which meet the requirements of Core 40 and the Academic Honors Diploma. *AP Chemistry* and *College Credit Chemistry* are both time-intensive courses. College textbooks are used; college level work is expected. Students who enroll in either of these courses should have demonstrated high aptitude and achievement in the prerequisites. *College Credit Chemistry* students may earn credit through Ivy Tech course number CHEM 105 and CHEM 106 for those students who meet the Ivy Tech prerequisites.

These courses have an assignment that is to be completed during the summer before the student takes the course. See the teacher's webpage for the summer assignment.

EARTH AND SPACE SCIENCE I

Full year course, 1 credit per semester – *Prerequisites: Students should have passed or currently be enrolled in Algebra I or Integrated Mathematics I.* (DOE Course Code: 3044)

This is a laboratory course.

Earth Science is taught through a study of man's environment, which offers a unifying purpose and continuum that relates all of the subject matter. Energy, matter, space, and time can be put into perspective through an inquiry-centered study of the student's environment on Earth, thus providing the student with a solid background of knowledge that can be drawn upon when confronted with current and future environmental issues. Relevancy is the course's prevalent theme as Earth science takes the study of science out of the test tube and into the real world surrounding the student.

EARTH AND SPACE SCIENCE I H

Full year course, 1 credit per semester – *Prerequisites: Students should have passed or currently be enrolled in Algebra I* (DOE Course Code: 3044)

This is a laboratory course.

In addition to following the course content as listed above for Earth and Space Science I, Honors Earth science is an intensive examination of physical geology, historical geology, meteorology, astronomy, and selected environmental issues, with emphasis on application. This course is designed for the academically advanced student and will stress experimental design, the quantitative and qualitive analysis of collected data, and problem-solving techniques. The depth and breadth of the material will be greater than in the standard course, chapter reading, observational homework, and field work will be a required part of successful course completion. Additionally, EAS 1H students will read and present on scholarly research in one topic area per semester, with articles chosen in consult with the instructor. Students should show a history of regular attendance and demonstrate strong self-motivation.

ENVIRONMENTAL SCIENCE, AP

Full year course, 1 credit per semester – *Prerequisites: Biology I with a "B" or better; one year of a physical science lab course (Physics I, Chemistry I, Earth Science I, or ICP); successful completion of Algebra I with a "B" or better*

(DOE Course Code: 3012)

This is a laboratory course.

The goal of the *Advanced Placement (AP) Environmental Science* course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

This is a year-long course designed to be the equivalent of a one semester, introductory level college course. We strive to prepare students to perform well on the AP Environmental Science Exam as well as become lifelong learners and advocates for a sustainable living world. The class is lab based, with field, in-classroom, and technological components. Students investigate and analyze environmental systems and problems and the human impact on these.

This course has an assignment that is to be completed during the summer before the student takes the course. See the teacher's webpage for the summer assignment.

Dual credit available through Ivy Tech course Bio 120

INTEGRATED CHEMISTRY-PHYSICS

2 semester course (1 semester of Chemistry and 1 semester of Physics), 1 credit per semester, both ICP Chemistry and ICP Physics are offered each semester – *Prerequisites: Passed Biology I and passed Algebra I or Integrated Mathematics II.* (DOE Course Code: 3108)

This is a laboratory course.

Integrated Chemistry and Physics (ICP) is an elective course which meets the requirements of the Core 40 Diploma. This course serves two purposes:

1. It is a course for seniors who are completing their Core 40 science requirements and who must use *ICP* as their third full year of science.
2. It is a course for sophomores or juniors who plan to follow *ICP* with a year of Chemistry or Physics or both.

Students who do not pass the 1st semester of *Chemistry I* may enroll in *ICP Chemistry* as their 2nd-semester course. Students who do not pass the 1st semester of *Physics I* may enroll in *ICP Physics* as their 2nd-semester class.

ICP covers the academic standards found in the Indiana Department of Education website: http://dc.doe.in.gov/Standards/Academic-Standards/PrintLibrary/science.shtml. Laboratory work is a strong component of the course and has required portions for successful completion. Students who successfully complete *ICP* should be prepared for further *Chemistry* or *Physics* coursework here at Jefferson High School.

LIFE SCIENCE AND PHYSICAL SCIENCE

2 semester course (1 semester of Life Science and 1 semester of Physical Science), 1 credit per semester, both Life Science and Physical Science are offered each semester – *Prerequisites: Recommendation of Case Conference Committee (DOE Course Codes: 3030 and 3102)*

Life Science is paired with *Physical Science* and a student will take each course during the school year. *Life Science* is a one-semester course covering an introduction to Biology. Topics include the cell, genetics, ecology and evolution. Its purpose is to give the student a background in these areas so they will be successful when taking *Biology I* the next year.

Physical Science is a one-semester laboratory course with topics in physical science, including themes from the structure and properties of matter, the nature of energy and its role in chemical reactions and the physical and chemical laws that govern Earth's interconnected systems and forces of nature.

The course provides an overview of the physical sciences and provides a foundation for students who may elect to take *Earth and Space Science or Integrated Chemistry and Physics* following *Biology I.*

PHYSICS I

Full year course, 1 credit per semester – *Prerequisites: Successful completion of Biology I and Algebra I and have taken or are currently enrolled in a second year of Core 40 high school mathematics (examples: Algebra II, Geometry); students must pass the 1st semester of Physics I in order to be admitted into the 2nd semester* (DOE Course Code: 3084)

This is a laboratory course.

Physics I meets the requirements of Core 40 and the Academic Honors Diploma. It is an elective course designed for juniors and seniors who intend to go on to college or technical school and who are NOT planning to major in science, engineering, mathematics, or medicine in their post-secondary studies. *Physics* is the study of matter and energy. Scientific measurement, laws of motion, work and power, energy, heat, light, sound, electricity, magnetism, and nuclear physics are studied. Laboratory work is an important component of the course. Students should have a firm grasp of algebra concepts, be highly motivated, and should show a history of regular attendance.

PHYSICS I H

Full year course, 1 credit per *semester – Prerequisites: grades of "C" or better in Algebra I and Geometry CP or H; Passing grades in Biology I, and another year of high school laboratory science; recommended Chemistry I and/or Earth and Space Science I. Students must have passed or currently be enrolled in in second full year of Algebra (Algebra II). Students must pass the 1st semester of Physics I H for admission into the 2nd semester* (DOE course code 3084)

This is a laboratory course.

Physics 1, H meets the requirements of Core 40 and the Academic Honors Diploma. *Physics I H* is an elective course designed for juniors and seniors who intend to go on to college or technical school and who are planning to major in science, engineering, mathematics, or medicine in their post-secondary studies. The courses place a strong emphasis on problem solving and mathematics. Measurements, laws of motion, work and power, energy, light, electricity, magnetism, atomic and kinetic theories, and nuclear physics are considered. Theoretical concepts and their related mathematical applications are stressed, so students must have a firm grasp of algebra and geometry fundamentals. Laboratory work, instrumentation, techniques, and safety are strong components of the course. Physics I H is time intensive, requiring students to complete problems and write reports daily. Students would show a history of regular attendance and demonstrate strong self-motivation.

This course may have an assignment that is to be completed during the summer before the student takes the course. See the teacher's webpage for the summer assignment or contact the teacher for details.

PHYSICS 1, AP
OR
ADVANCED SCIENCE, COLLEGE CREDIT (L) PHYSICS I

Full year course, 1 credit per semester – *Prerequisites: Passing grades in Biology I and another year of high school laboratory science; recommended Chemistry I and/or Earth and Space Science I; Algebra I, Algebra II, and Geometry; one year PreCalculus passed or at the same time; students must pass 1st semester of Physics 1, AP to take the 2nd semester* (Physics 1, AP is DOE Course Code 3080; Advanced Science, College Credit (L) Physics is DOE Course Code 3090)

This is a laboratory course.

Physics 1, AP: Algebra-based is a *first*-year physics course. It meets the requirements of Core 40 and the Academic Honors Diploma. College level textbooks and materials are used; college level work is expected. The College Board states: "*Physics 1, AP* is the equivalent of a 1st-semester college course in algebra-based physics … designed to be taught over a full academic year to enable AP students to develop deep understanding of the content and to focus on applying their knowledge through inquiry labs." The full year also allows time for inclusion of physics content specified by state standards. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It also introduces electric circuits. Additional details are available from The College Board website: www/collegeboard.org/apcentral. The College Board has approved the Physics 1, AP syllabus. Ivy Tech has approved the Advanced Science, College Credit (L) Physics syllabus.

This course has an assignment that is to be completed during the summer before the student takes the course. See the teacher's webpage for the summer assignment or contact the teacher for details.

Dual credit may be available through Ivy Tech course number PHYS 101 and 102

PHYSICS 2, AP

Full year course, 1 credit per semester – *Prerequisites: Passing grades in Biology I and another year of high school laboratory science; recommended Chemistry I and/or Earth and Space Science I; Algebra I, Algebra II, and Geometry; one year PreCalculus passed or at the same time; Chemistry I H passed or at the same time; Physics I H or Physics 1, AP passed; students must pass 1st semester of Physics 2, AP to take the 2nd semester*

(DOE Course Code: 3081 or 3090)

This is a laboratory course.

Physics 2, AP: Algebra-based is a *second-year* physics course to follow *Physics I H* or *Physics 1, AP*. It meets the requirements of Core 40 and the Academic Honors Diploma. College level textbooks and materials are used; college level work is expected. The College Board states: "*Physics 2, AP* is the equivalent of a 2nd-semester college course in algebra-based physics, but it is designed to be taught over a full academic year to enable AP students to develop deep understanding of the content and to focus on applying their knowledge through inquiry labs. The full year also allows time for inclusion of physics content specified by state standards. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics." Additional details are available from The College Board website: www/collegeboard.org/apcentral.

This course may have an assignment that is to be completed during the summer before the student takes the course. See the teacher's webpage for the summer assignment or contact the teacher for details.

SCIENCE RESEARCH, INDEPENDENT STUDY - HONORS

Full year course, 1 credit per semester (may be repeated for more than one year) – *Prerequisites: Current enrollment in Chemistry I or I H or have passed the 1st semester of Chemistry I or I H* (DOE Course Code: 3008)

This is a laboratory course.

The purpose of this course is to allow students with a strong interest in science to conduct independent scientific research. Students are expected to present the finished product in one or more science fair competitions. A student's acceptance into the course is determined by a screening committee based upon information gathered from the following: a letter of application from the student, consistent achievement test scores in science at or about the 95th percentile or a composite score at or above the 92nd percentile, attendance records, grades, the *Secondary Science Teacher's Referral*, which is filled out by the candidate's former or present science teacher, and an interview with the high school honors science research teacher.

SOCIAL STUDIES

	Grade Level
Required Courses:	
United States History OR	
United States History, AP	11
United States Government OR	12
United States Government & Politics, AP	11, 12
Economics OR	12
Microeconomics, AP	11, 12
Geography and History of the World OR	9, 10
World History and Civilization OR	9, 10, 11, 12
World History, AP	9, 10, 11, 12
Elective Courses:	
Community Service	11, 12
Current Problems, Issues, and Events	10, 11, 12
Ethnic Studies	9, 10, 11, 12
Indiana Studies	9, 10, 11, 12
Law Education	10, 11, 12
Peer Tutoring	10, 11, 12
Topics in Social Sciences (TSS)	
TSS, Global Studies	10, 11, 12
TSS, Introduction to Philosophy	10, 11, 12
TSS, Military History	10, 11, 12
Psychology, AP	11, 12
Sociology	11, 12
Psychology	12

Alphabetical List of Social Studies Department Course Descriptions

COMMUNITY SERVICE

1 semester course, 1 or 2 credits, offered both semesters, may be taken more than once – *Prerequisites: Students must write an essay and receive teacher approval in order to be considered for this course; class size is limited to 25* (DOE Course Code: 0524)

Service Learning is offered as a social studies elective whose activities blend community service and learning activities so that both occur and are enriched by the other. Students participating in service learning programs perform a needed community service that builds, utilizes, or provides a framework for academic and civic skills, abilities, and competencies. The services can be provided within school walls or in the community, and would not normally happen if the students were not doing them. As part of the course, students are required to serve for a minimum of 50 hours and to keep a daily journal. **STUDENTS MUST HAVE THEIR OWN TRANSPORTATION.**

Students may only earn two credits from this class toward graduation requirements. Once two credits have been earned, students may retake the course; however, those credits will not count toward graduation requirements.

CURRENT PROBLEMS, ISSUES, AND EVENTS

1 semester course, 1 credit, offered both semesters – *Prerequisites: Successful completion of Geography and History of the World or World History with a grade of "C" or better each semester* (DOE Course Code: 1512)

Current Problems, Issues, and Events (CPIE) is offered as a social studies elective and provides the student planning on pursing a postsecondary education with the opportunity to apply techniques of investigation and inquiry to the study of significant problems or issues. This is a participation class in which students are expected to express well researched opinions, viewpoints, and examine different sides of issues. Reading/writing and research is REQUIRED throughout the semester.

ECONOMICS

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 1514)

Economics is taught based on learning styles and student skill levels. *Economics* investigates the specific economic effects of market forces and government policies on individuals and major institutional groups within the American economy. Students examine basic economic concepts and models of decision making at various levels and in different areas including: (1) decisions made as a consumer, producer, saver, investor, and voter; (2) business decisions to maximize profits; and (3) public policy decisions in specific markets dealing with output and prices in the national economy.

ETHNIC STUDIES

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 1516)

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles, cultural patterns, and histories of ethnic groups in the United States. This course will focus on a number of different ethnic groups, and 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 and economic impact of ethnic diversity in the United States.

GEOGRAPHY AND HISTORY OF THE WORLD

Full year course, 1 credit per semester – *Prerequisites: None* (DOE Course Code: 1570)

Geography and History of the World is recommended for students who do NOT plan on pursuing a FOUR-year postsecondary degree. The course includes the practical use of geographical and historical skills and concepts to deepen the student's understanding of global themes. The core of the curriculum will include history; civics and government; geography; economics; and individuals, society, and culture.

INDIANA STUDIES

1 semester course, 1 credit, offered both semesters – *Prerequisites: None* (DOE Course Code: 1518)

Indiana Studies is an integrated course that compares and contrasts state and national developments in the area 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 study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insight into historical events and cultural expressions.

LAW EDUCATION

1 semester course, 1 credit, offered both semesters – *Prerequisites: Successful completion of Geography and History of the World or World History with a grade of "C" or better each semester* (DOE Course Code: 1526)

Law Education is offered as a social studies elective that uses a college level textbook; therefore, students taking this course must have strong reading/writing and comprehension skills. The course is designed to provide students with an understanding of the American legal system and its basis in the United States constitution. The course content promotes an understanding of society and its system of laws by indicating how citizens may effectively function within the law.

MICROECONOMICS, AP

Full year course, 1 credit per semester – *Prerequisites: Student must have passed Algebra I, Algebra II, and all other social studies courses with a grade of "B" or better each semester* (DOE Course Code: 1566)

Advanced Placement (AP) Microeconomics is taught using a college textbook; college level work is expected and required to be successful. The course is designed to provide the highly motivated student with a thorough understanding of the principles of economics that apply to the functions of individual decision-making, both as consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. In the spring semester, the course will provide an introduction to concepts of macroeconomics, including a study of national income and price-level determinations, economic growth, and international economies. College credit can be earned through the Advanced Placement Exam.

PEER TUTORING

1 semester course, 1 or 2 credits, offered both semesters, may be taken more than once – *Prerequisites: Students must write an essay and receive teacher approval in order to be considered for this course; class size is limited to 25* (DOE Course Code: 0520)

Peer Tutoring is offered as a social studies elective for students who are good role models, have no visible tattoos or body piercings, and who are committed to attending class every day. The course provides such students with an organized exploratory experience to assist students in grades K-12, through a helping relationship with their studies and personal growth and development. Students taking the course will develop a basic understanding of individual differences and explore career options in related fields. *Peer Tutoring* experiences are preplanned by the teacher trainer and any cooperating teacher under whom the tutoring is to be provided. It must be conducted under the supervision of a licensed teacher. **STUDENTS MUST HAVE THEIR OWN TRANSPORATION**.

Students may only earn two credits from this class toward graduation requirements. Once two credits have been earned, students may retake the course; however, those credits will not count toward graduation requirements.

PSYCHOLOGY

1 semester course, 1 credit, offered both semesters – *Prerequisites: Student must have passed all other social studies courses with a grade of "C" or better each semester* (DOE Course Code: 1532)

Psychology is offered as a social studies elective that uses a college level textbook and is recommended for students planning to pursue a postsecondary education. Therefore, students taking this course must have strong reading/writing and comprehension skills. *Psychology* is intended to provide the highly motivated student with a general knowledge of the development of psychology as a science, physiology and behavior, learning, motivation and emotion, personality development, stress and adjustment, abnormal psychology, and psychological testing.

PSYCHOLOGY, AP

Full year course, 1 credit per semester – *Prerequisites: Student must have passed all other social studies courses with a grade of "B" or better each semester* (DOE Course Code: 1558)

Advanced Placement (AP) Psychology is taught as a social studies elective using a college level textbook; college level work is expected and required to be successful. The course will introduce the highly motivated student to the systematic and scientific study of behavior and the mental processes of human beings. Students will be exposed to psychological facts, principles, and phenomena associated with each of the major fields of psychology as well as the methods psychologists use in their research and practice. College credit can be earned through the Advanced Placement Exam.

SOCIOLOGY

1 semester course, 1 credit, offered both semesters – *Prerequisites: Student must have passed all other social studies courses with a grade of "C" or better each semester* (DOE Course Code: 1534)

Sociology is taught as a social studies elective that uses a college level textbook and is recommended for students planning on pursuing a postsecondary education. Therefore, students taking this course must have strong reading/writing and comprehension skills. The course will introduce the highly motivated student to the study of the human individual and his or her relationship to the group. Emphasis will be on the study of the social self, social structure, culture, race and ethnic relations, and social institutions and their problems.

TOPICS IN SOCIAL SCIENCES, GLOBAL STUDIES

1 semester course, 1 credit, offered every other semester – *Prerequisites: Successful completion of Geography and History of the World or World History for each semester* (DOE Course Code: 1550)

Global Studies is taught as a social studies elective designed to build upon the student's fundamental knowledge and skills in creating a global perspective to help him or her be more prepared to meet the challenges of the 21st Century. Students will be presented a multicultural curriculum that emphasizes concepts outside the United States, but will include social, economic, geographic, and historic perspectives.

TOPICS IN SOCIAL SCIENCES, INTRODUCTION TO PHILOSOPHY

1 semester course, 1 credit, offered both semesters – *Prerequisites: Successful completion of Geography and History of the World or World History of "C" or better each semester* (DOE Course Code: 1550)

Philosophy is offered as a social studies elective and provides the student planning to pursue a postsecondary education with the opportunity to examine several important philosophical texts and philosophers. The general aim is to investigate and understand the philosophical foundations of human life within a society. Students will be challenged to rethink their perceptions in terms of philosophical discourse as well as to discuss and apply the ideas so as to have implications for their lives.

TOPICS IN SOCIAL SCIENCES, MILITARY HISTORY

1 semester course, 1 credit, offered both semesters – *Prerequisites: Successful completion of Geography and History of the World or World History for each semester with a desire to enter military service* (DOE Course Code: 1550)

Military History is offered as a social studies elective that emphasizes the changing nature of warfare from ancient times to the modern era as nations adjust to social, political, economic, and technological developments. With an overview of definitions and functions of theory and, in particular, how military theory forms the foundations of modern military thought, students will be introduced to the nature, structure, and functions of military doctrine and modern military thought as well as the relationship between military theory, military history, and military doctrine.

UNITED STATES GOVERNMENT

1 semester course, 1 credit, offered both semesters – *Prerequisites: Successful completion of U.S. History for each semester* (DOE Course Code: 1540)

United States Government is taught based on learning styles and student skill level. *United States Government* provides a framework for understanding the nature and Importance of responsible civic participation and for learning the rights and responsibilities of individuals in a constitutional democracy. Students will explore the historic origins and evolution of political philosophies into contemporary political and legal systems. Constitutional structure and the processes of the three branches of the national, state, and local levels of government are examined as well as the student's ability to influence policies and decisions as individuals and in groups.

UNITED STATES GOVERNMENT AND POLITICS, AP

Full year course, 1 credit per semester – *Prerequisites: Student must have passed all other social studies courses with a grade of "B" or better each semester* (DOE Course Code: 1560)

Advanced Placement (AP) United States Government and Politics is taught using a college level textbook; college level work is expected and required to be successful. The course will provide the highly motivated student with a comprehensive study of the government of the United States. It is designed to increase student understanding of the three branches of government along with an intensive study of the Constitution of the United States. Other areas of study include political parties and their development, civil rights, and landmark cases of the United States Supreme Court. College credit can be earned through the Advanced Placement Exam. Dual Credit may be available through Ivy Tech course number POLS 101.

UNITED STATES HISTORY

Full year course, 1 credit per semester – *Prerequisites: None* (DOE Course Code: 1542)

United States History covers the history of the U.S. from 1850 to present and builds on concepts learned in the student's prior studies of American history. Major emphasis is given to increasing student understanding of the interaction of historical events and geographic, social, and economic influences on national development of the United States and how these personally impact the student today.

UNITED STATES HISTORY, AP

Full year course, 1 credit per semester – *Prerequisites: Student must have passed all other social studies courses with a grade of "B" or better each semester, offered to 11th and 12th grade (sophomores may be considered with referrals).* (DOE Course Code: 1562)

Advanced Placement (AP) United State History uses collegiate level materials requiring college level work to be successful. The course will provide the highly motivated student with a comprehensive study of US History including the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present and is designed to increase student understanding from discovery to present day. Skills developed include evaluating primary and secondary sources; analyzing the claims, evidence, and reasoning you find in sources; placing historical developments in context and making connections between them, and coming up with a claim or thesis in writing. Analyzing texts, visual sources, and other historical evidence, and writing essays expressing historical arguments are common. Areas of concentration include historical, political, and economic history coupled with an intense study of cultural and intellectual institutions and their development. College credit can be earned through the Advanced Placement Exam.

WORLD HISTORY AND CIVILIZATION

Full year course, 1 credit per semester – *Prerequisites: None* (DOE Course Code: 1548)

World History and Civilization is recommended for students planning to pursue a postsecondary education and who have strong reading/writing and comprehension skills. Therefore, it is STRONGLY recommended to WAIT until at least the sophomore year to take this course, but it can be taken as a freshman if the student's prior social studies grades were a "B" or better each semester or the student has counselor approval.

World History and Civilization provides a basis for students to compare and analyze patterns of culture, emphasizing both the diversity and commonality of human experience and behavior from the dawn of man until now. The course emphasizes the interaction of local cultures with the natural environment, as well as the connections among civilizations from the earliest times to the present by studying a variety of World History themes.

WORLD HISTORY, AP

Full year course, 1 credit per semester – *Prerequisites: It is strongly recommended that students have demonstrated superior achievement in previous English and Social Studies courses* (DOE Course Code: 1576)

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

SPECIAL EDUCATION

Courses:
Algebra I
Algebra IB
English 9B
English 9: ED
English 10B
English 10 ED
Interdisciplinary Coop Education (ICE)
Integrated Mathematics I
Integrated Mathematics IB
Integrated Mathematics II B
Language Art Lab, Communication Strategies
Resource Room
Applied Skills
Training for Success

Special Education Department Course Descriptions

ALGEBRA I

Full year course, 1 credit per semester – *Prerequisites: (Open to 9th & 10th grade students on a Core 40 Diploma Track) 1st semester, teacher recommendation and/or case conference decision; 2nd semester, passing grade in 1st semester.* (DOE Course Code: 2520)

This class follows the same curriculum as the general education *Algebra I* class. Common assessments and unit tests are used to prepare students for the ISTEP Assessment. This course prepares students to move on to either Algebra 2 or Integrated Math II. The instructional methods in this course provide for use of algebraic skills in a wide range of problem-solving situations. Topics include: Solving linear equations and inequalities; solution sets; graphing linear equations and inequalities, graphing systems of linear equations and inequalities and graphing quadratic equations; basic operations with polynomials; solving quadratic equations and systems of equations; use of exponents and algebraic proportions. Introductory topics from statistics and probability may be included if time allows.

ALGEBRA IB

Full year course, 2 credit per semester – *Prerequisites: (Open to 11th & 12th grade students on a General Diploma Track) 1st semester, teacher recommendation and/or case conference decision; 2nd semester, passing grade in 1st semester*
(DOE Course Code: 2520)

Algebra I provides a basic development of the algebraic skills and concepts necessary for students who will take other math courses. In particular, the instructional methods in this course provide for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include: properties of real numbers, solution sets, basic operations with polynomials, solving quadratic equations and systems of equations, use of exponents, and introductory topics from statistics and probability.

ENGLISH 9B

Full year course, 1 credit per semester – *Prerequisites: English 9, none; English 9 OTP, test scores and teacher recommendation* (DOE Course Code: 1002)

English 9 is taught in different classes based on learning styles and student skill level. It is designed to help students establish a foundation in language arts that will enable them to succeed in future English classes. By providing students with the opportunity to study and practice the five language arts strands, the course will reinforce skills they have already learned as well as introduce new ones. This holistic approach to the study of English enables students to see the relationships between reading, writing, and speaking. *English 9* students further develop their use of language as a tool for learning and thinking and as a source of pleasure. Students practice identifying, analyzing, and composing with different elements, structures, and genres of written and oral language. An additional emphasis of each course is to strengthen students' performance of the essential skills in language arts determined by the state of Indiana and measured on end of course assessments.

ENGLISH 9: ED

Full year course, 1 credit per semester – *Prerequisites: ED classification and recommendation of Case Conference Committee.* (DOE Course Code: 1002)

This course is designed to follow the *English 9 OTP* (Occupational Tech Prep) curriculum. Emphasis is placed on grammar, written expression, and reading comprehension. Students apply these skills in developing cultural awareness and tolerance.

ENGLISH 10B

Full year course, 1 credit per semester – *Prerequisites: English 10, students should have successfully completed English 9 to enroll; English 10 OTP, successful completion of the earlier courses in this sequential program or teacher recommendation* (DOE Course Code: 1004)

English 10 is taught in different classes based on learning styles and student skill level. It focuses upon building and expanding skills learned in *English 9*, while also introducing new concepts that will aid in the students' decisions to take tech prep or college prep English during their junior year. The course curriculum achieves this by integrating the five language arts strands through the study of literature from cultures around the world. This foundation includes both written and oral communication skills from a wide variety of perspectives. Special emphasis is placed on informative and persuasive communication. In addition, each *English 10* course provides students with practical and working knowledge of standards and skills assessed on Indiana's *English 10* ECA.

ENGLISH 10: ED

Full year course, 1 credit per semester – *Prerequisites: ED classification and recommendation of Case Conference Committee.* (DOE Course Code: 1004)

This course is designed to follow the *English 10 OTP* (Occupational Tech Prep) curriculum. Emphasis is placed on grammar, written expression, and reading comprehension. Students apply these skills in developing cultural awareness and tolerance.

INTERDISCIPLINARY COOPERATIVE EDUCATION (I.C.E.)

Full year course, 1 related class credit per semester, 1 to 2 work credits per semester – *Prerequisites: Recommended by the Case Conference Committee*
(DOE Course Code: 5902)

The *I.C.E. Related* curriculum builds general employability skills and studies many areas associated with employment including career exploration, job market information, time and money management, tax form preparation, etc. Job Coaches are available to help students with a successful work placement. Students may not be allowed early release from the building until they secure employment or are actively seeking work.

INTEGRATED MATHEMATICS I

Full year course, 1 credit per semester – *Prerequisites: (Open to 9th grade students on a Core 40 Diploma Track). 1st semester, teacher recommendation and/or case conference decision; 2nd semester, passing grade in 1st semester.*

Integrated Mathematics I formalizes and extends the mathematics students learned in the middle grades. The critical areas deepen and extend the understanding of linear relationships and geometric properties and theorems involving congruent figures. The course will prepare the student to move on to *Algebra I or Integrated Math II* the following year.

INTEGRATED MATHEMATICS IB

Full year course, 1 credit per semester – *Prerequisites: (Open to 9th, 10th, & 11th grade students on a General Diploma track). 1st semester, teacher recommendation and/or case conference decision; 2nd semester, passing grade in 1st semester.*

Integrated Mathematics I formalizes and extends the mathematics students learned in the middle grades. This course is for those who need to strengthen their understanding of operations with integers, order of operations, fractions with like denominators, solving equations and inequalities with whole numbers and decimals, solving simple proportions and percent proportions, changing fractions to decimals and percents, graphing inequalities on number lines, basic geometric principles, basic exponents and square roots, the coordinate plane and plotting points. This course will prepare the student to move on to *Integrated Math II B* the following year.

Integrated Mathematics II B

Full year course, 1 credit per semester – *Prerequisites:* Integrated Mathematics IB (Open to 10th, 11th, & 12th grade students on a General Diploma track). 1st semester, teacher recommendation and/or case conference decision; 2nd semester, passing grade in 1st semester
(DOE Course Code 2556)

Integrated Mathematics II B reviews the mathematics learned in Integrated 1 B. This course is for those who need to continue to strengthen their understanding of operations with integers, order of operations, simple and mixed fractions, solving multi-step equations and inequalities with whole numbers, decimals and fractions, solving simple proportions and percent proportions, changing mixed fractions to improper fractions, decimals and percents, basic geometric principles, exponents and square roots, the coordinate plane and plotting points, identify slope and y-intercept in an equation, and graphing linear equations and inequalities on the coordinate plane. This course will prepare the student to move on to Algebra 1 B the following year.

LANGUAGE ART LAB, Communication Strategies

Full year course, 1 credit per semester – *Prerequisites: Recommended by the Case Conference Committee* (DOE Course Code: 1010)

This is a class designed for special education students who have a current or past language IEP. Students will explore what communication is and how it affects functional life skills such as using the newspaper and telephone, medical/emergency terminology, shopping, restaurants, applications/contracts, maps/directories, listening, thinking skills, and self-esteem.

The class will focus on vocabulary building, problem solving, and appropriate conversational strategies. The class is a two-semester elective and replaces traditional language services for all incoming special education freshmen with an active language IEP.

RESOURCE ROOM

Recommendation of Case Conference Committee.

Services are available only to special education students as determined by the Case Conference Committee. This room is designed to provide educational assistance for special education students. Students may use the resource room on a drop-in basis when assistance is needed. It also provides a setting for educational counseling when indicated on the individual students' I.E.P.

APPLIED SKILLS

1- to 7-year course, 1 credit per semester – *Prerequisites: Recommended by the Case Conference Committee* (DOE Course Code: 0500)

This is a one to seven-year course designed for students pursuing a certificate of completion. The focus is on life skills needed to transition to the adult world. Students learn about a variety of topics including budgeting, functional math, social skills, employment skills and independent living skills. Students will have the opportunity to participate in volunteering at various sites in the community.

TRAINING FOR SUCCESS

1- to 7-year course, 1 credit per semester – *Prerequisites: Recommended by the Case Conference Committee* (DOE Course Code: 0500)

This one- to seven-year program focuses on developing life and social skills and independence through vocational and community-based experiences. Students participate in a variety of activities, including cooking/nutrition, volunteer job sites, functional academics, and learning to use community resources. Students follow an individual plan that is designed to fit their unique needs.

WORLD LANGUAGES

Chinese:
- Chinese I
- Chinese II
- Chinese III
- Chinese IV

French:
- French I
- French II
- ⧫ French III
- ⧫ French IV
- French V

German:
- German I
- German II
- German III
- German IV

Japanese:
- Japanese I
- Japanese II
- Japanese III
- Japanese IV

Russian:
- Russian I
- Russian II
- Russian III
- Russian IV

Spanish:
- Spanish I
- Spanish II
- Language for Heritage Speakers, Level II
- ⧫ Spanish III
- ⧫ Language for Heritage Speakers, Level III
- ⧫ Spanish IV
- Spanish V

⧫ Dual Credit available from Ivy Tech

World Languages Department Course Descriptions

CHINESE I

Full year course, 1 credit per semester – *Prerequisites: Semester 1: none; semester 2: successful completion of 1st semester of Chinese I* (DOE Course Code: 2000)

This course introduces Chinese language and culture in everyday situations at home, in school, and community settings to secondary students. Through this course students will be given opportunities to ask and answer basic questions directly tied to their needs and interests; give and respond to basic requests in both oral and written situations; read short texts and situational items such as business cards, home addresses and dates; and respond appropriately in writing to simple situational texts, such as a self-introduction letter, birthday cards and calendars. In addition, students will be challenged to compare and contrast their own culture with the Chinese culture by learning their major holidays and celebrations, non-verbal communication, gestures, and proper etiquette in a variety of social settings.

CHINESE II

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Chinese I; semester 2: successful completion of 1st semester of Chinese II* (DOE Course Code: 2002)

Chinese II begins with a review of *Chinese I* which reinforces the four basic language skills of reading, writing, listening, and speaking. Students expand vocabulary and grammar skills for communicating about everyday events such as school, sports, leisure activities, and both formal and informal social interactions. Students acquire skills to better express themselves both orally and in more complex writing assignments, expressing their opinion and supporting their statements. Students will expand their reading comprehension skills while reading and discussing simple authentic texts and materials. Students will study geography in addition to the culture of China for a better understanding of the Chinese language and people as well as a higher awareness of the world around them.

CHINESE III

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Chinese II; semester 2: successful completion of 1st semester of Chinese III* (DOE Course Code: 2004)

Chinese III begins with a brief review of some major concepts from both *Chinese I* and *II*. Students continue to expand vocabulary and grammar skills for communicating orally about everyday events as well as more difficult cultural concepts including planning a tour, holidays, food and health, weather and geographical features. This course reviews and continues to expand knowledge of the Chinese language and the culture of Chinese-speaking areas of the world. It continues to develop language skills in listening, speaking, reading, and writing. Students will continue to expand their knowledge of the pinyin system of writing and increase their writing proficiency. They will also continue to increase their conversational skills in the language. Students will continue to deepen their knowledge of the culture, life styles, and philosophy of Chinese-speaking people.

CHINESE IV

Full year course, 1 credit per semester– *Prerequisites: Semester 1: successful completion of Chinese III; semester 2: successful completion of 1st semester of Chinese IV* (DOE Course Code: 2006)

Chinese IV begins to prepare students for the study of Chinese at the college level. Students review previously learned grammar points and topics at a deeper level, with more vocabulary. In addition, new grammar is studied so that students will be able to speak and write about their personal opinions, giving, receiving and asking favors at various levels. Cultures and language are compared and analyzed. With online resources as well as a translation app, students are exposed to more Chinese literature, which they will understand and comment about at a deeper level. Students will be able to do independent research on cultures and regional features.

FRENCH I

Full year course, 1 credit per semester – *Prerequisites: Semester 1: none; semester 2: successful completion of 1st semester of French I* (DOE Course Code: 2020)

This course introduces the students to the French language and to the culture of the French-speaking world with an emphasis on France. The language is taught in its cultural context, integrating speaking, listening, reading, and writing skills. Students learn how to communicate information related to basic personal needs and interests, to express opinions, to describe daily routines, and to make requests in a culturally appropriate manner.

Knowledge of vocabulary and grammatical structures enable the students to read the information found in dialogues and interviews, giving the students the ability to respond to questions based on those materials. The students also learn to give and understand certain classroom directions and commands.

Students learn about topics such as food, family, sports, greetings, songs, gestures, and holidays. Students study Paris, the geography of France, the everyday life of its people, and the contributions of the French language and culture to American society and to the world.

FRENCH II

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of French I; semester 2: successful completion of 1st semester of French II* (DOE Course Code: 2022)

This course reviews and continues to expand knowledge of the French language and general culture through the use of speaking, listening, reading, and writing skills. The students will be able to express themselves using regular and irregular verbs and vocabulary covering clothing, daily activities, school activities, sports, possessions, and family terms.

Study in *French II* will include past tense. The vocabulary and grammatical concepts presented enable the student to communicate about daily happenings of interest, express preferences, participate in conversation, ask questions about routine activities, and understand the main ideas of readings. The students will also continue to perfect their pronunciation of the French language.
The student will gain a deeper understanding of the culture by studying about the provinces of France with the help of authentic materials. They will also study historical events, political structures, value systems, visual arts, and music. All four language skills are practiced and developed

FRENCH III

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of French II; semester 2: successful completion of 1st semester of French III* (DOE Course Code: 2024)

The present, past, and imperfect tenses as well as reflexive verbs will be reviewed. The course will also focus on object pronouns and adjectives. Self-descriptive clothing, shopping, hair salon, and telephone vocabulary will be covered. Within the framework of the vocabulary and grammatical concepts, the student is able to respond to factual and interpretive questions, interact in a variety of social situations, and express him/herself in these daily situations.

The student will read for comprehension from a variety of authentic materials such as short literary selections, advertisements, cartoons, and personal correspondence. The student will also complete authentic forms with required vocabulary and write well-organized compositions on a variety of topics.

The student will gain a deeper understanding of the culture by studying and giving presentations about the historical events, political structures, architecture, literature, and music. All four language skills are practiced and developed.

Dual Credit may be available through Ivy Tech course numbers FREN 101 and FREN 102 pending student qualification for dual-credit.

FRENCH IV

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of French III; semester 2: successful completion of 1st semester of French IV* (DOE Course Code: 2026)

The student continues to refine his/her knowledge of the French language. After reading or viewing various authentic materials, such as short stories, novels, magazine articles, and films, the student responds to both factual and interpretive questions. The student expresses opinions and makes judgments verbally and in writing. Creative, well-organized compositions are written on given topics. The student learns to communicate appropriately in a variety of specific situations. Cultural study includes various literary, historical, and artistic periods and personalities and their connections to each other.
Dual Credit may be available through Ivy Tech course numbers FREN 201 and FREN 202 pending student qualification for dual-credit.

FRENCH V

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of French IV; semester 2: successful completion of 1st semester of French V* (DOE Course Code: 2028)

French V provides opportunities for students to interact and exchange information in culturally and socially authentic and/or simulated situations to demonstrate integration of language skills with understanding of French-speaking culture. This course emphasizes the use of appropriate formats, varied vocabulary, and complex language structures within student communication, both oral and written, as well as the opportunity to produce and present creative material using the language. Additionally, students will continue to develop understanding of French-speaking culture through investigating the origin and impact of significant events and contributions unique to the culture, comparing and contrasting elements that shape cultural identity in the French culture and the student's own culture, and explaining how the French language and culture have impacted other communities.

GERMAN I

Full year course, 1 credit per semester – *Prerequisites: Semester 1: none; semester 2: successful completion of 1st semester of German I* (DOE Course Code: 2040)

This introductory course presents the fundamentals of the German language and a basic understanding of the culture by focusing on various themes. Throughout the course students will be given opportunities to ask and answer basic questions directly related to their needs and interests; give and respond to basic requests in both oral and written situations; read short texts and situational items such as advertisements, letters, poems, phone messages, and notes; and to compose short written texts similar to those they have read. In addition, students will be challenged to compare and contrast their culture with German-speaking countries by learning about major holidays and celebrations, historical events and geography, and proper etiquette in a variety of social settings.

GERMAN II

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of German I; semester 2: successful completion of 1st semester of German II* (DOE Course Code: 2042)

The student gains fluency in conversation by expanding his vocabulary and understanding of the structure of the language. He also expands his knowledge of the German language and general culture through the use of speaking, listening, reading, and writing skills. He will be able to express himself using irregular as well as regular verbs, past tense, reflexive constructions, and use of the dative case and genitive cases. The vocabulary and grammatical concepts presented enable the student to communicate about daily happenings of interest, express preferences, participate in conversation, ask and answer questions about routine activities, and understand the main ideas of readings. Short writing activities will allow him to demonstrate mastery of the grammar and vocabulary. The student will also gain a deeper understanding of the culture by studying various cities, holidays and historical events, and everyday life. All four language skills are practiced and developed.

GERMAN III

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of German II; semester 2: successful completion of 1st semester of German III* (DOE Course Code: 2044)

The present and past tenses and reflexive verbs are reviewed. Additional prepositions, object pronouns, and adjectives also receive a greater focus. Using the new concepts and grammatical constructions students are able to respond to factual and interpretive questions, interact in a variety of social situations, and express themselves in these daily situations in both oral and written formats. The student will read for comprehension from a variety of authentic materials such as short literary selections, advertisements, cartoons, and personal correspondence. He will also complete authentic forms with required vocabulary and write well-organized compositions on a variety of topics.

This course provides instruction enabling students to understand and appreciate other cultures by comparing social behaviors and values of people using the target language. Students learn to respond and interact in a variety of social situations. All four language skills are practiced and developed.

GERMAN IV

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of German III; semester 2: successful completion of 1st semester of German IV* (DOE Course Code: 2046)

This course expands the student's ability to participate in conversations with native speakers. Each student will develop further the ability to format and respond to questions, interact in more complex social situations, express opinions, and make judgments. Grammatical concepts such as past perfect, future, and future perfect tenses, subjunctive mood, passive voice, and genitive case will be added as well as a review of the previous cases, tenses, and concepts. Acquiring and expanding vocabulary will be stressed. Short readings in a variety of genres will be included (poetry, short stories, advertisements, essays), and students will demonstrate comprehension orally or in written responses. The student will give both written and oral presentations on cultural topics, develop his/her knowledge and understanding of major literary works, and write well-organized compositions on a variety of topics. All four language skills will be developed and practiced.

JAPANESE I

Full year course, 1 credit per semester – *Prerequisites: Semester 1: none; semester 2: successful completion of 1st semester of Japanese I* (DOE Course Code: 2060)

This course introduces students to the Japanese language and culture. Emphasis is placed on conversation and vocabulary which would be useful in everyday situations in the home and school, such as following or giving simple commands and asking about and describing basic routines, using four verb tenses. Included in the course will be reading and writing the hiragana syllabary, as well as 18 kanji, and recognizing the katakana syllabary. Cultural topics include basic geography, customs and manners of Japan, traditional games, and holidays.

JAPANESE II

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Japanese I; semester 2: successful completion of 1st semester of Japanese II* (DOE Course Code: 2062)

In the 2nd year of *Japanese*, students expand their grammar base with another three verb tenses and adjective forms. Much more vocabulary is introduced than in *Japanese I*. This knowledge is used to be able to converse in more detail about daily routines and abilities, ask and give permission, and express basic personal opinions. Students learn how to write and read all katakana and 42 more kanji. Reading is practiced through short textbook stories, decoding realia, and individual presentations. Writing is practiced through letter writing. Culture is explored in more detail through current videotapes, discussions of previous information presented in English now presented in Japanese, and individual student projects on history and culture.

JAPANESE III

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Japanese II; semester 2: successful completion of 1st semester of Japanese III* (DOE Course Code: 2064)

In the 3rd year of *Japanese*, the focus is on learning informal, everyday Japanese. Students review all verb tenses learned thus far, and then study the informal form of these. In addition, students become more able to express opinions, wants, and needs through the study of superlatives and comparatives, the "want to" form of verbs, and giving and understanding directions. Thirty-five more kanji are studied. Cultural studies continue through film and video, as well as individual student presentations in both English and Japanese. Because of the complex nature of the written language, reading and writing are kept to a minimum, though journal writing in the target language is encouraged.

JAPANESE IV

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Japanese III; semester 2: successful completion of 1st semester of Japanese IV* (DOE Course Code: 2066)

This course begins to prepare students for the study of Japanese at the college level. Students review previously learned grammar points and topics at a deeper level, with more vocabulary. In addition, new grammar is studied so that students will be able to speak and write about quotations, personal opinions, giving and receiving at various levels, asking for favors, use gerunds, relay reported information, express uncertainties, give advice, understand rules, and express purpose. Kanji learned during previous years continues to be reviewed, with an additional 40 new kanji formally studied. Reading is still at a basic level, but is practiced more than previous years, through textbook samples. Culture continues to be studied through individual research papers, films, and videos.

RUSSIAN I

Full year course, 1 credit per semester – *Prerequisites: Semester 1: none; semester 2: successful completion of 1st semester of Russian I* (DOE Course Code: 2100)

This course is an introduction to the Russian language and culture. Students will learn the Cyrillic alphabet and Russian sound system. Students will be able to read material in the Cyrillic alphabet, including basic greetings and words of English origin. Emphasis will be placed on communicative activities that the student will use in everyday situations with Russian people. Cultural topics will include geography, history, family life, holidays, community, and current events. At the end of the semester, students will write and present a final presentation on one aspect of Russian culture. During the second semester emphasis will be placed on staging skits and role-plays. Students will develop cultural awareness of Russian cooking and dining customs. Students will learn to express likes and dislikes, indicate possession, and to identify features of major Russian cities. Through a variety of listening activities, students will develop their comprehension skills.

RUSSIAN II

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Russian I; semester 2: successful completion of 1st semester of Russian II* (DOE Course Code: 2102)

This intermediate Russian language course will develop students' abilities to describe objects, to travel through Russian cities using various means of transportation, and to talk about the weather. Other communicative activities may focus on community, professions, time expressions, and free-time activities. At the end of the semester, students will be responsible for presenting some aspect of Russian culture pertaining to the holiday season. In the second semester, conversational topics will include weather, professions, and higher education in Russia. Students will read, use and analyze websites and video from the Former USSR. Students will train for and, if they wish, participate in the Olympiada of Spoken Russian, an international competition which tests students' abilities in the Russian language and knowledge of geography, history, and art.

RUSSIAN III

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Russian II; semester 2: successful completion of 1st semester of Russian III* (DOE Course Code: 2104)

Both the 3rd and 4th year programs focus on the specific skills needed to travel to the former Soviet Union and to relate to native Russian speakers. Topics will include getting acquainted, airport/travel vocabulary, and describing peoples' traits. Conversation topics cover such subjects as locations within a city, food, and visiting friends. Students will gain Russian cultural and community awareness through material pertaining to Russian history, holidays, parties, and guest expectations. Students will be able to write and verbally give a physical description of people and describe their homes and home cities. Using the Internet, students will read descriptions of real estate offerings in the former Soviet Union and then translate these descriptions into English. Students will train for and, if they wish, participate in the Olympiada of Spoken Russian, a competition which tests ability in the Russian language and culture.

RUSSIAN IV

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Russian III; semester 2: successful completion of 1st semester of Russian IV* (DOE Course Code: 2106)

Both the 3rd and 4th year programs focus on the specific skills needed to travel to the former Soviet Union and to relate to native Russian speakers. Topics will include getting acquainted, airport/travel vocabulary, and describing peoples' traits. Conversation topics cover such subjects as locations within a city, food, and visiting friends. Students will gain Russian cultural and community awareness through material pertaining to Russian history, holidays, parties, and guest expectations. Students will be able to write and verbally give a physical description of people and describe their homes and home cities. Using the Internet, students will read descriptions of real estate offerings in the former Soviet Union and then translate these descriptions into English. Students will train for and, if they wish, participate in the Olympiada of Spoken Russian, a competition which tests ability in the Russian language and culture.

SPANISH I

Full year course, 1 credit per semester – *Prerequisites: Semester 1: none; semester 2: successful completion of 1st semester of Spanish I* (DOE Course Code: 2120)

This course introduces Spanish language and culture in everyday situations in home, school, and community settings to secondary students. Throughout this course, students will be given opportunities to ask and answer basic questions directly related to their needs and interests; give and respond to basic requests in both oral and written situations; read short texts and situational items such as tickets and schedules; and respond appropriately in writing to various situational texts, such as letters and phone messages. In addition, students will be challenged to compare and contrast their culture with the various Hispanic cultures by learning about major holidays and celebrations, non-verbal communication, gestures, and proper etiquette in a variety of social settings.

SPANISH II

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Spanish I or equivalent (determined by testing); semester 2: successful completion of 1st semester of Spanish II* (DOE Course Code: 2122)

Spanish II begins with a review of *Spanish I* which reinforces the four basic language skills of reading, writing, listening, and speaking. Students expand vocabulary and grammar skills for communicating about everyday events such as shopping, travel, daily routines, and both formal and informal social interactions. Students acquire skills to better express themselves both orally and in more advanced writing assignments, expressing their opinions and supporting their statements. Students will expand their reading comprehension skills while reading and discussing authentic texts and materials. Students continue to study the geography and culture of the Hispanic world for better understanding and higher awareness of the world around them.

LANGUAGE FOR HERITAGE SPEAKERS, LEVEL II

Full year course, 1 credit per semester – *Prerequisites: Successfully testing into Level II* (DOE Course Code2192)

This course is designed to meet the needs of less advanced Heritage Speakers of Spanish. Students will learn how to correctly manipulate basic grammar forms, the basic rules of accentuation, and focus on the correct spellings of difficult letter combinations. In addition, students will expand their vocabularies beyond their current vocabulary and beyond the region(s) and country(ies) from which they and their families originate. Students will also study the culture, geography, economics, government, art, and literature from a variety of Spanish-speaking countries. Students will gain a deeper understanding of the value of heritage language study and will further develop their skills to communicate in their heritage language. Student strengths and weaknesses are analyzed so that their grammatical studies, written assignments, oral presentations, and cultural studies can be individualized.

SPANISH III

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Spanish II or equivalent (determined by testing); semester 2: successful completion of 1st semester of Spanish III* (DOE Course Code: 2124)

Spanish III begins with a brief review of some major concepts from both Spanish I and II. Students continue to expand vocabulary and grammar skills for communicating orally about everyday events as well as more difficult cultural concepts including tourism, health, daily routine, leisure time, cultural events and ceremonies, cultural values, historical events, and cultural heritage. Students continue to develop their writing skills in even more advanced writing assignments by analyzing presented information, expressing their opinions, and supporting their statements. Students will continue to expand their reading comprehension skills while reading, analyzing, and responding to longer and more in-depth authentic texts and materials. Students increase their knowledge of the geography and culture of the Hispanic world by comparing and contrasting the geography and cultural differences of the various Hispanic countries.

Dual Credit may be available through Ivy Tech course numbers SPAN 101 and SPAN 102 pending student qualification for dual-credit.

LANGUAGE FOR HERITAGE SPEAKERS, LEVEL III

Full year course, 1 credit per semester – *Prerequisites: Successfully testing into Level III or successfully completing the 2nd semester of Spanish for Heritage Speakers, Level II* (DOE Course Code: 2194)

This course is designed to meet the needs of more advanced Heritage Speakers of Spanish. Students will learn how to correctly manipulate more advanced grammatical forms, the rules of accentuation, and focus on the correct spellings of difficult letter combinations. In addition, students will expand their vocabularies beyond words used for basic communication and beyond the region(s) and country(ies) from which they and their families originate.

Students will also study the culture, geography, economics, government, art, and literature from a variety of Spanish-speaking countries. Students will gain a deeper understanding of the value of heritage language study and will further develop their skills to communicate in their heritage language. Student strengths and weaknesses are analyzed so that their grammatical studies, written assignments, oral presentations, and cultural studies can be individualized.

Dual Credit may be available through Ivy Tech course numbers SPAN 101 and SPAN 102 pending student qualification for dual-credit.

SPANISH IV

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Spanish III or equivalent (determined by testing); semester 2: successful completion of 1st semester of Spanish IV*
(DOE Course Code: 2126)

Level IV Spanish ensures that students are able to read short literary works in Spanish and are exposed to Hispanic culture in conjunction with reading and writing assignments and related videos. Students will be able to use vocabulary, grammar, and geography as needed. They will research and present written and oral reports in Spanish on selected topics. They will read excerpts of major Spanish writings and short works of literature. They will recognize, through research, famous Hispanic people and certain periods of Hispanic history. Student strengths and weaknesses are analyzed so that their grammatical studies, written assignments, and oral presentation can be individualized.

Dual Credit may be available through Ivy Tech course numbers SPAN 201 and SPAN 202 pending student qualification for dual-credit.

SPANISH V

Full year course, 1 credit per semester – *Prerequisites: Semester 1: successful completion of Spanish IV; semester 2: successful completion of 1st semester of Spanish V* (DOE Course Code: 2128)

Spanish V will continue the work of *Spanish IV* and is designed to help the advanced student learn at an accelerated pace about literature, culture, and current events from all 21 Spanish-speaking countries. Students will participate in conversation on current or past events that are significant in the culture. They will read and demonstrate understanding of articles in newspapers, magazines, and books. They will create various kinds of written work (stories, poems, skits, etc.). They will demonstrate near native behaviors, using appropriate verbal and nonverbal cues in a variety of cultural contexts. Student strengths and weaknesses are analyzed so that their grammatical studies, written assignments, oral presentations, and cultural studies can be individualized.