



SALEM HIGH SCHOOL

2020-2021

**Course Description
Booklet**

Graduation

It is the responsibility of each student to ensure that he or she has met all requirements for graduation. Graduation checklists are available from counselors who meet with each student to review progress and assist with course selections. Seniors who do not finish correspondence/independent study courses at least two weeks prior to the end of the second semester will not be allowed to march with their class in commencement exercises.

Seniors will be honored at graduation according to their weighted GPA and level of diploma. Students with a weighted GPA of 4.25 or higher will receive Summa Cum Laude honors. Graduates with a weighted GPA between 4.0 and 4.24 will receive Magna Cum Laude. Students with a weighted GPA of 3.75-3.99 will be awarded Cum Laude. National Honor Society graduates will wear a special sash. Core 40 with Academic or Technical Honors graduates will be highlighted on the graduation program and a special seal will be affixed to their permanent records and diplomas.

Diploma Types

Indiana Core 40 Diploma: The Indiana Department of Education expects all students to enroll in the Indiana Core 40 Curriculum. This curriculum requires students to earn 40 credits, including specific courses. This curriculum is designed to prepare students for success in a wide variety of educational and career opportunities following high school.

Indiana Core 40 Diploma with Academic Honors: The Indiana Core 40 Diploma with Academic Honors is available to students who go beyond the Core 40 requirements and earn 47 credits. Additional requirements for Academic Honors include two additional credits in an upper level of math, six to eight credits in a foreign language and two credits in a fine art. Honor diploma students are encouraged to take the honors section of courses if one is offered. A cumulative weighted grade point average of 3.0 at graduation is required, and students must earn at least a C- in the required classes. Academic Honors students must also meet additional requirements for SAT/ACT test scores, dual credits, and/or completion of Advanced Placement courses.

Indiana Core 40 Diploma with Technical Honors: The Indiana Core 40 Diploma with Technical Honors is available to students who go beyond the Core 40 requirements and earn 47 credits while participating in a Career or Technical Program. Additional requirements beyond Core 40 for Technical Honors include completion of a career or technical program in which students earn a state recognized certificate or an Indiana Certificate of Technical Achievement. A cumulative weighted grade point average of 3.0 at graduation is required, and students must earn at least a C- in the required classes.

Indiana General High School Diploma: The Indiana General High School Diploma is available after a parent conference determination that the Core 40 diploma does not fit the student's needs and abilities. Students on the general diploma track must still earn 40 credits including 6 credits in a Career Academic Sequence. Requirements also include Flex Credits which are additional credits in English, math, science, social studies, and foreign language or dual credits, technical or workforce certification or an internship. In addition to the required credits, students must demonstrate their ability to meet the standards on both the English/Language Arts and Mathematics portions of the End of Course Assessments/ISTEP..

Salem High School Certificate of Completion: Special Education students who are not planning to complete requirements for an Indiana High School Diploma but who have met the requirements set out in their Individual Educational Plan (IEP) will be awarded a Certificate of Completion during Commencement ceremonies.

Salem High School Certificate of Course Completion: Students who meet the credit requirements for an Indiana High School Diploma, but cannot demonstrate their ability to meet the English 10 and/or Algebra portions of the End of Course Assessments will be awarded a Certificate of Course Completion during Commencement ceremonies.

Salem High School Certificate of Accomplishment: Foreign Exchange students and others who are not on a diploma track or IEP will be awarded a Certificate of Accomplishment.

Midterm Graduation

The Indiana State Board of Education allows students to graduate after seven semesters if they have completed all state and local graduation requirements (minimum Core 40 diploma) and met the standards in both English 10 and Algebra on the ISTEP Assessments. Students must submit a Midterm Graduation Application by August 1 of the senior year stating a compelling reason for requesting Mid-term graduation to gain principal approval. A conference with parents, counselor and principal is also required. Midterm graduates will not receive their diplomas until Commencement ceremonies at the end of the regular school year. A letter stating that the student has graduated will be issued at the student's request. Students who graduate after their seventh semester forfeit participation in all second semester extra-curricular activities, sports and school organizations, except Honor Day, prom and Commencement ceremonies.

Semester Grades

The final semester grade includes points for all assignments, tests, and projects from the entire semester, not an average of the two report period grades. At the end of each nine-weeks, report cards will be sent home with students showing grades and attendance for each class taken. These nine-weeks periods are not independent grades, but a cumulative progress report for the entire semester up to that point.

GPA/Class Rank

Grade Point Averages are calculated only at the end of each semester, and from these averages, each student's rank in class is determined. Grade points assigned are figured according to the scale below:

- A grade of Withdraw/Fail may be given to students who are removed from a course for disciplinary reasons or to students who withdraw from a course after the first six weeks of the semester.
- A grade of NC or No Credit is given when student absences exceed the unexcused absence limit.
- Grades will be weighted according to course difficulty. Students taking honors level classes will be awarded bonus points that will impact their overall GPA. The chart below shows the process of grade weighting.
- Class rank will be determined by the total number of grade points earned using the weighted scale.

Letter Grade	GPA	Honors Weighted GPA	Dual Credit Weighted GPA	AP Weighted GPA
A	4.0	4.5	4.75	5.0
A-	3.75	4.25	4.5	4.75
B+	3.5	4.0	4.25	4.5
B	3.0	3.5	3.75	4.0
B-	2.75	3.25	3.50	3.75
C+	2.5	3.0	3.25	3.5
C	2.0	2.5	2.75	3.0
C-	1.75	2.25	2.50	2.75
D+	1.5			
D	1.0			
D-	.75			

Incompletes

Teachers may give an "I" or incomplete grade on a report card to a student who for medical or other reasons did not meet requirements for the course by the end of the grading period. The student will have two weeks to meet the requirements. After two weeks, the grade is automatically changed to an F if assignments have not been turned in.

Auditing a Course

Students may audit a course when approved by the principal, director of guidance, and teacher. The student must participate in all course activities and assignments, but will receive no grade or credit for the course. Requests for auditing must be made before the end of the first nine-weeks grading period.

Repeating a Course

Students may retake a required course to improve a low, but passing grade. Both grades will be recorded on the student's transcript. The higher grade of the two will be used to meet requirements for Core 40 and Academic Honors Diploma and in calculating the student's cumulative GPA.

Dual Credit/College Credit and Advanced Placement Courses

Salem High School students may take dual credit courses for both college and high school credit. ***In order to receive dual credit, students must meet certain testing prerequisites, register with the university, and in some cases pay tuition.*** Students interested in dual credit courses other than those listed below should see a counselor prior to taking the postsecondary course to be sure all criteria for awarding dual credit will be met. Dual credit options include:

- **Ivy Tech Community College:** Ivy Tech has approved the following courses for dual credit: Pre-Calculus (MATH 136/MATH 137), Finite Math (MATH 135), AP Psychology (PSYC 101), Spanish III and IV (SPAN 101/102, 201/202), AP Physics (PHYS 101), Chemistry II (CHEM 101), Anatomy and Physiology (APHY 101/102), Microbiology & Genetics (BIOL 211), Business Law & Ethics (BUSN 201), Earth Space Science (SCIN 100), Government Honors (POLS 101), US History Honors (HIST 102), AP English 11 (ENGL 111), AP Calculus (MATH 211), Plant Floor & CNC/Workplace & Safety (MPRO 100/106), Advanced Animal Science (AGRI107)
- **Vincennes University:** French III and IV (FREN 101/103, 202/203)
- **Indiana University:** Speech Honors (SPCH S-121), English Literature (LIT 202)
- **Prosser Career Education Center** offers both dual credit and opportunities to count Prosser coursework for credit at numerous institutions including Ivy Tech State College, Universal Technical Institute, University of Northwestern Ohio, Northern Kentucky University, Vincennes University, Louisville Technical College, Indiana University Southeast, Sullivan University, Universal Technical Institute and others.

Salem High School offers several Advanced Placement classes, including AP Calculus AB, AP English Literature/Composition, AP Language/Composition and AP Psychology and AP Physics B. ***To earn college credits, students must take the College Board exam(s) in the spring and score high enough to meet standards set by each college.***

Students pursuing a Core 40 with Academic or Technical Honors diploma are required to take dual credit and/or AP classes. Students should make sure they are meeting these requirements.

Credits from Other Sources

Students who take high school courses through accredited high school programs may transfer those credits to Salem High School by providing documentation of curriculum and grades earned. These sources commonly include correspondence and on-line courses through Indiana University or the University of Missouri, Nova Net courses, and summer school courses from either SHS or other area high schools. All such courses must be approved in advance by the student's counselor. An official transcript of grades of all transfer credits from the issuing school must be received at least two weeks prior to the end of the semester to entitle seniors to participate in Commencement ceremonies. The number of such credits accepted is limited to eight credits without special approval of the principal. (This does not apply for students who transfer from another school district.) Enrollment for the alternative school is limited and must be approved by the principal, counselor and parent.

Transcripts

Salem High School cannot release grades or a school transcript for colleges or scholarships without a signed release form. The forms must be signed by a parent or guardian unless a student is 18 years of age or older. Online transcript requests through Parchment can be found at www.parchment.com.

Prosser Career Education Center

Salem High School juniors and seniors may elect to enroll in a vocational class at Prosser Career Education Center in New Albany. Prosser offers three-hour classes in a number of vocational and technical areas, which may earn a student certification or college credit as well as three high school credits each semester. In order to attend Prosser, students must be in good standing at Salem High School in both academics and attendance. Applications for Prosser must be returned to Student Services by the deadline posted in Student Services.

Extracurricular Eligibility

To be scholastically eligible to participate in any high school athletic event, students must be enrolled in at least five academic subjects and must be currently passing at least five courses on the most recent grading period.

Course Scheduling

During the spring semester, students will meet with counselors to complete a Course Selection Sheet based on their career plans, academic plans, and related course selections which will be sent home for parent approval and a signature. A copy of the student's course requests and current graduation status will be sent home at a later date. It

is the responsibility of the student and parents to make the final course selection. Parents and students may schedule an appointment to meet with the counselor to discuss scheduling options.

Course Load

Students may enroll in as many as seven classes for each semester. A student may take no more than one period of Learning Center in each semester.

The Indiana State Board of Education's instruction time rules require schools to provide a full instructional day to all students. This requirement includes seniors. Shortened class schedules may only be approved for students whose education circumstances fall into one of the following categories approved by the State of Indiana:

1. Vocational education students whose approved vocational education programs include an employment component.
2. Special education students whose individualized education program (IEP), as developed under 511 IAC 7, calls for a shortened schedule.
3. Students receiving approved homebound instruction.
4. Students enrolled in college courses under the postsecondary enrollment program.
5. Students enrolled only in adult education programs.
6. Students enrolled in non public schools, but who participate in public school programs on a part-time basis.

Shortened schedules may be allowed in extraordinary emergency circumstances at the discretion of the principal for students who meet one of the following:

1. Are expecting a child or recently have had a child, or have other family obligations
2. Have a temporary medical condition but do not qualify for homebound instruction
3. Are emancipated and have to work, but are still of school age
4. Dropped out of school several years ago and wish to complete their graduation requirements
5. Are at least 16 years of age and who have previously been expelled.

Course Admission

Students and parents should carefully consider whether students have the academic background, learning strategies, and motivation required to be successful in each course they are considering. Before enrolling in some courses, students must meet placement requirements or have earned satisfactory grades in a prerequisite course. These requirements are listed in the course description for each class. A signed waiver may be required for any grade lower than the recommended grade.

Schedule Change

Students are expected to give careful consideration to course selections when they are made in the spring of the year. Students will be able to review their schedules during the week before the start of school and make adjustments. Changes will be made according to the student's needs and abilities. Parent approval and teacher recommendation may be necessary before a change will be made. No changes will be made for the sole purpose of changing teachers or periods that a particular class meets. Likewise, changes cannot be made that will unbalance or overload already existing sections of classes.

After the first week of the semester, schedule changes will be made for the following reasons only: 1) to correct a computer error, 2) to avoid course conflicts, 3) failure to meet a prerequisite, 4) to correct improper placement, or 5) to balance class sizes. Students who have been misplaced in a course may receive permission to change to another course in the same department at any time in the semester at the recommendation of the teachers involved.

Withdrawal from School

Students who withdraw to transfer to another school must obtain a Transfer Form from their counselor prior to the day of withdrawal. All books must be returned and a parent signature is required for all students under the age of 18 who are transferring to other schools. Students who withdraw and are not intending to enroll in another school must have an "Exit Interview" with the principal (or designee) and parent. Even with parent and principal approval, a student who is at least 16 years of age but less than 18 years of age is bound by Indiana's compulsory school attendance and may not withdraw from school before graduation unless the withdrawal is due to an illness, an order by a court that has jurisdiction over the student, and financial hardship, in which the student must be employed to support the family or dependents.

Testing

Several achievement and aptitude tests are given each year to Salem High School students. These include:

- Students must take and pass the ISTEP in algebra and English in tenth grade. Students are required to pass these assessments in order to graduate.

- PSAT (Preliminary Scholastic Aptitude Test) is offered through College Board to juniors and sophomores in October. The PSAT prepares student to take college entrance exams such as the SAT or ACT. Juniors may also qualify for National Merit recognition through PSAT. Students must register for this exam through Student Services. Fee waivers are available for students who are eligible for Free or Reduced Lunch.
- SAT and ACT provide testing for college admissions. The College Board administers the SAT, while the ACT administers the ACT exam. Both the SAT and ACT are college entrance exams which are given throughout the year for juniors and seniors who plan to attend a college or university. Many students take one or both of the exams more than once to increase their chances of doing well. In addition to college admissions, these scores are also used to award merit scholarships. Students may register online (<http://collegereadiness.collegeboard.org> or www.actstudent.org). Registration information and practice tests are available in Student Services. Salem High School is a SAT and ACT testing site and students can opt to take the test here or at several neighboring schools. Check the schedule for local test dates. ***Salem High School's CEEB/high school code is 153-130.*** Students that participate in the Free and Reduced Lunch Program can receive a fee waiver for these tests. See a counselor to obtain this form.
- Armed Services Vocational Aptitude Battery is a test that may be given to students interested in joining the military. It is a test that measures the student's readiness to become proficient in a certain type of work (aptitude). Through the ASVAB test, students qualify for various training opportunities in the military, many of which have related occupations in civilian life. The ASVAB also includes a career interest inventory.
- AP exams are given in May to students who have taken an AP class. Colleges use the scores from these exams to determine whether to award college credit for these classes.
- The Accuplacer is a college placement exam that students may take in order to qualify for dual credit classes. The state may require students without required ECA and/or PSAT scores to take the Accuplacer Diagnostic test. Students should check with a counselor about the schedule for these exams.

Test Remediation

Salem High School offers several options for remediation services for students who fail to meet the minimum standards for the ISTEP/End of Course Assessments (ECA). The State of Indiana requires that students participate in remediation activities each year in order to receive a diploma through the waiver process if the ISTEP/ECA has not been passed by spring of the senior year. Upperclassmen needing remediation are enrolled in a learning center and will then be assigned to remediation activities with a tutor, a math or English teacher, or US Test Prep remediation. Some students are re-enrolled in a math course to review the material tested on the ECA/ISTEP. Additional remediation activities include sessions after school just prior to testing dates and during summer school. Parents may request additional remediation materials to work with students at home on English and mathematics skills.

Student Services Staff

Guidance, career, and special education counselors and the school nurse, are available to assist students with academic, career, and personal concerns. Students who need to see a counselor should sign up in Student Services or have their parent or teacher contact a counselor or social worker. Counselors will call the student from activity period, study hall, or a class if necessary. Student Services staff include:

Misty Walker	Attendance	mwalker@salemschools.com
Norma Gramlin	Bookstore	ngramlin@salemschools.com
Christine Mahuron	Grades 9	cmahuron@salemschools.com
Catlin Ellis	Grade 10	cellis@salemschools.com
Jennifer Martin	Grade 11 and 12	jmartin@salemschools.com

Course and Credit Requirements	
English/ Language Arts	8 credits English 9, 10, 11, 12
Mathematics m	6 credits (in grades 9-12) 2 credits: Algebra I 2 credits: Algebra II 2 credits: Geometry <i>Students must take a math or quantitative reasoning course each year in high school</i>
Science	6 credits 2 credits: Biology I 2 credits: Chemistry 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
Flex Credits	5 credits World Languages Fine Arts Career and Technical Education
Physical Education	2 credits
Health and Wellness	1 credit
College and Career Electives*	6 credits Including 3 credits: Preparing for College and Careers and Personal Financial Responsibility (Class of 2018 and beyond)
40 Total State Credits Required	

CORE40 with Academic Honors (minimum 47 credits)

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

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits.
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a “C” or better in courses that will count toward the diploma.
- Have a grade point average of a “B” or better.
- Complete one of the following:
 - Complete AP courses (4 credits) and corresponding AP exams
 - Complete IB (Higher Level) courses (4 credits) and corresponding IB exams
 - Earn a combined score of TBD on the SAT critical reading and mathematics
 - Score a 26 or higher composite on the ACT
 - Complete dual high school/college credit courses (6 transferable college credits)
 - Complete a combination of one AP course (2 credits) and corresponding AP exam and one dual high school/college credit course (3 transferable college credits)

CORE40 with Technical Honors (minimum 47 credits)

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

- Complete all requirements for Core 40.
- Complete a career-technical program (8 or more related 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 two of the following, one must be A or B:
 - A. Score at or above the following levels on WorkKeys: Reading for Information - Level 6; Applied Mathematics - Level 6; Locating Information - Level 5
 - B. Complete dual high school/college credit courses in a technical area (6 college credits)
 - C. Complete a Career Exploration Internship course or Cooperative Education course (2 credits)
 - D. Complete an industry-based work experience as part of two-year technical education program (minimum 140 hours)
 - E. Earn a state-approved, industry-recognized certification

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

To graduate with less than Core 40, the following formal opt-out process must be completed:

- The student, the student’s parent/guardian, and the student’s counselor (or another staff member who assists students in course selection) must meet to discuss the student’s progress.
- The student’s Graduation Plan (including four year course plan) is reviewed.
- The student’s parent/guardian determines whether the student will achieve greater educational benefits by completing the general curriculum or the Core 40 curriculum.
- If the decision is made to opt-out of Core 40, the student is required to complete the course and credit requirements for a general diploma and the career/academic sequence the student will pursue is determined.
- 21st Century Scholars must complete the Core 40 diploma or higher in order to receive the scholarship.

Course and Credit Requirements (Class of 2016 & Beyond)

English/Language Arts	8 credits English 9, 10, 11, and 12
Mathematics	4 credits 2 credits: Algebra I or Integrated Mathematics I 2 credits: Any math course General diploma students are required to earn 2 credits in a Math or a Quantitative Reasoning (QR) course during their junior or senior year. QR courses do not count as math credits.
Science	4 credits 2 credits: Biology I 2 credits: ICP or other physical science course
Social Studies	4 credits 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Any social studies course
Physical Education	2 credits
Health and Wellness	1 credit
College and Career Pathway Courses Selecting electives in a deliberate manner to take full advantage of college and career exploration and preparation opportunities	6 credits Includes 2 credits: Planning for College and Careers
Flex Credits	5 credits Flex Credits must come from one of the following: <ul style="list-style-type: none"> • Additional elective courses in a College and Career Pathway • Courses involving workplace learning such as Cooperative Education or Internship courses • High school/college dual credit courses • Additional courses in Language Arts, Social Studies, Mathematics, Science, World Languages or Fine Arts
Electives	6 credits Specifies the minimum number of electives required by the state. High school schedules provide time for many more elective credits during the high school years.

40 Total Credits Required

Beginning with the Class of 2023, students are required to be on a Graduation Pathway and must complete an item in each of the three boxes below. Students in the classes prior MAY be allowed to meet graduation requirements via Pathways if unable to pass ISTEP.

Graduation Pathways Checklist

Student Name _____ Pathways Completed _____ Graduation Date _____

1) Indiana Diploma Designation

- | | |
|----------------------------------|---|
| <input type="checkbox"/> General | <input type="checkbox"/> Academic Honors |
| <input type="checkbox"/> Core 40 | <input type="checkbox"/> Technical Honors |
| <input type="checkbox"/> IB | |

Indicate which diploma credit & curricular requirements, including additional local requirements, student met. Note that students with an IEP are not required to meet locally required credits beyond state requirements.

2) Employability Skills

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

Summary:

Validation:

- Student Work Product
 School validation

3) Postsecondary-Ready Competencies

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

- Federally-recognized Apprenticeship

- Career-Technical Education Concentrator

Pathway: _____

Course _____ Grade _____

Course _____ Grade _____

Course _____ Grade _____

Course _____ Grade _____

Course _____ Grade _____

Course _____ Grade _____

Avg. Grade _____ (must be C avg. or above)

- **AP/IB/Dual Credit/Cambridge International courses or CLEP

Exams:

Course/Exam: _____ Grade _____

Course/Exam: _____ Grade _____

Course/Exam: _____ Grade _____

Avg. Grade _____ (must be C avg. or above)

- Locally Created Pathway _____

- Waiver (criteria/checklist p. 2)

**College-ready benchmarks set by the ACT and College Board for the 2017-18 school year. These scores are fluid and subject to change.*

***If using AP/IB/dual Credit, either: 1 of the 3 courses must be in core content area OR all 3 must be part of a defined curricular sequence.*

Quick Reference

Diploma Requirements met:	Yes	No	
Employability Skills Demonstrated:	Yes	No	
Postsecondary-Readiness Met:	Yes	No	
Postsecondary-Readiness Waiver Criteria Met:	Yes	No	NA
Graduation Pathways Completed:	Yes	No	

Agriculture

1010 Agricultural, Food, and Natural Resources

9-12 **2 Semesters** **2 Credits**

This is a year-long course which is a prerequisite and foundation for all other agricultural classes. The nature of this course is to provide students with an introduction to the fundamentals of agricultural science and business. Topics to be covered include: animal science, plant and soil science, horticultural science, natural resource management, agricultural mechanization, and supervised agricultural experience.

1020 Natural Resource Management

10-12 **1 Semester (F)** **1 Credit**

Natural Resource Management is a one-semester course that provides students with a background in natural resource management. Students are introduced to career opportunities in natural resource management and related industries, the history of the forest industry and forest policy, the importance and uses of forest plants, factors which influence the development of forests, forest improvement and management, proper care and use of forest tools, effects of management practices on the environment, soil conservation practices, water and its importance to natural resource management, surveying and map use, management of recreational areas, outdoor safety and weather. *(Prerequisite: Fundamentals of Agricultural Science and Business)*

10xx Food Science

10-12 **1 semester** **1 credit**

Food Science is a two semester course that provides students with an overview of food science and the role it plays in the securing of a safe, nutritious, and adequate food supply. A project-based approach is utilized in this course, along with laboratory, team building, and problem solving activities to enhance student learning. Students are introduced to the following areas of horticulture science: food processing, food chemistry and physics, nutrition, food microbiology, preservation, packaging and labeling, food commodities, food regulations, issues and careers in the food science industry.

1025 Horticultural Science

10-12 **1 Semester (S)** **1 Credit**

Horticultural Science is a one-semester class that will follow Natural Resource Management, this course is designed to give students a background in the field of horticulture. It addresses the biology and technology involved in the production, processing, and marketing of horticultural plants and products. Topics covered include: reproduction and propagation of plants, plant growth, media, management practices for field and greenhouse production, marketing concepts, production of herbaceous, woody and nursery stock, fruit, nut, and vegetable production, and pest management. *(Prerequisite: Fundamentals of Agricultural Science and Business)*

1030 Plant and Soil Science

10-12 **1 Semester (F)** **1 Credit**

This course will provide students with the opportunity to participate in a variety of activities including some laboratory work. Topics covered include: the taxonomy of plants, the various plant components and their functions, plant growth, plant reproduction and propagation, photosynthesis and respiration, diseases and pests of plants, biotechnology, and the basic components and types of soil, calculation of fertilizer application rates and procedures for application, soil tillage and conservation, irrigation and drainage, land measurement, cropping systems, harvesting, and career opportunities in the field of plant and soil science. Prerequisite: Fundamentals of Agricultural Science and Business *(Prerequisite: Fundamentals of Agricultural Science and Business.)*

1035 Animal Science

10-12 **1 Semester (S)** **1 Credit**

This course will provide students with an overview of the field of animal science. All areas which the students study can be applied to large and small animals. Topics to be addressed include: anatomy and physiology, genetics, reproduction, nutrition, aqua-culture, careers in animal science, common diseases and parasites, social and political issues related to the industry, and management practices for the care and maintenance of animals Prerequisite: Fundamentals of Agricultural Science and Business. *(Prerequisite: Fundamentals of Agricultural Science and Business.)*

1040 Agribusiness Management

10-12 **1 Semester (F)** **1 Credit**

Agribusiness Management is a one-semester course which presents the concepts necessary for managing an agriculture-related business. Concepts covered include: identification of careers in agribusiness, safety management, entrepreneurship, the planning, organizing, controlling and directing of an agribusiness, effects of government organizations and laws on agribusiness, economic principles, credit, record keeping, budgeting, fundamentals of cash flow taxation and the tax system, insurance, marketing, cooperatives, purchasing computers in agribusiness, human

resource management, and employer-employee relations and responsibilities. (*Prerequisite: Fundamentals of Agricultural Science and Business.*)

1045 Farm Management

10-12 **1 Semester (S)** **1 Credit**

Farm management is a one-semester course that will follow Agribusiness Management. This course will introduce students to the principles of farm organization and management. It covers the effects of good/poor management on farm, economic principles, decision-making, methods for organizing and planning, getting started in the farming business, farm record keeping, and risk management. (*Prerequisite: Fundamentals of Agricultural Science and Business.*)

Business

1110 Introduction to Business

9-10 **1 Semester** **1 Credit**

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

1114 Preparing for College and Careers

9 **1 Semester** **1 Credit**

Planning for College and Careers is a required career and technical education business course for all freshmen, designed to address the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real life experiences, is recommended.

1120 Digital Applications And Responsibility

9-12 **1 or 2 semesters** **1 or 2 credits** **weighted +.75 (second semester)**

Digital Applications and Responsibility is a required course that prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision-making and problem-solving skills. Students who take the course for two semesters will be provided with the opportunity to seek industry certifications and dual credit through Ivy Tech.

1170 IM-Web Design I/ ITCC

10-12 **2 Semesters** **2 Credits** **weighted +.75**

Web Design is a business course that provides instruction in the principles of web design using HTML/XHTML, Adobe CS3, and Photoshop software programs. Emphasis will be placed on Internet usage and the development of personal and professional web pages. Areas of instruction include audience analysis, hierarchy layout and design techniques, software integration, and publishing. Instructional strategies may include peer teaching, collaborative instruction, project-based learning activates and school community projects. Students will be provided with the opportunity to seek industry-recognized certifications. This class has been approved as a dual credit course (VISC 110) through Ivy Tech Community College.

1137 Introduction to Computer Science

9-10 **1 Semester** **1 Credit**

Introduction to Computer Science introduces and allows students to explore all of the areas comprising the discipline of Computer Science. Students will be introduced to computational thinking and will development critical-thinking skills and decision-making skills. Students will learn the design process of object-oriented concepts and will use data types, variables, flow charts and program structures to formulate algorithms to solve problems. They will gain a broad understanding of the discipline of Computer Science. Additionally, there will be a focus on the areas of computer programming, gaming/mobile development, and artificial intelligence/robotics.

1124 Computer Science I Honors/ITCC –

11-12 **2 Semesters** **2 Credits** **weighted +.75**

Computer Science I introduces the structured techniques necessary for efficient solution of business-related computer programming logic problems and coding solutions into a high-level language. The fundamental concepts of programming are provided through explanations and effects of commands and hands-on utilization of lab equipment to produce correct and accurate outputs. Topics include program flowcharting, pseudo coding, and hierarchy charts as a means of solving problems. The course covers creating file layouts, print charts, program narratives, user documentation and system flowcharts for business problems; algorithm development and review, flowcharting, input/output techniques, looping, modules, selection structures, file handling, and control breaks and offers students an opportunity to apply skills in a laboratory environment. Recommended Prerequisites: Introduction to Computer Science This course has been approved as a dual credit course (SDEV120) through Ivy Tech Community College.

Introduction to Entrepreneurship & New Ventures

11-12 1 Semester 1 Credit

Introduction to Entrepreneurship provides an overview of what it means to be an Entrepreneur. Student will learn about starting and operating a business, marketing products and services, and how to find resources to help in the development of a new venture. This course is ideal for students interested in starting their own art gallery, salon, restaurant, etc.

1145 Business Law & Ethics, ITCC

11-12 1 Semester 1 credit weighted +.75

Business Law and Ethics provides an overview of the legal system in the business setting. Topics covered include: basics of the judicial system, contract, personal, employment and property law. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods and situation analyses. This course has been approved as a dual credit course through Ivy Tech.

1160 Accounting I

10-12 2 Semesters 2 Credits

Introduction to 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. Recommended Prerequisite: Introduction to Business.

1170 Personal Financial Responsibility

10-12 1 Semester 1 Credit

Personal Financial Responsibility is a required course for students graduating in 2018 and beyond. This course addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyzing personal standards, needs, wants, and goals; identifying sources of income, saving and investing; understanding banking, budgeting, record-keeping and managing risk, insurance and credit card debt. Direct, concrete applications of mathematics proficiencies in projects are applied.

1185 Interactive Media

9-12 2 semesters 2 credits

Interactive Media provides students with the communication and problem-solving skills to function effectively in the workplace. Areas of study include written/oral/visual communication, listening, informational reading, Internet research/analysis, and electronic communication. Concepts addressed will include adapting communication to the situation, purpose, and audience. Students produce documents related to employee handbooks, instructional manuals, employment communication, organizational communication, business reports, and social and professional situations using word processing, presentation, multimedia, and desktop publishing software. Recommended Prerequisite: Digital Applications and Responsibility.

1190 Principles of Marketing

10-12 1 Semester 1 Credit

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. Prerequisite: Introduction to Business.

1195 Business Mathematics

10-12 2 semesters 1 or 2 credits

Business Math is a business course designed to prepare students for roles as entrepreneurs, producers, and business leaders by developing abilities and skills that are part of any business environment. A solid understanding of math including algebra, basic geometry, statistics and probability provides the necessary foundation for students interested in careers in business and skilled trade areas. The content includes mathematical operations related to accounting, banking and finance, marketing, and management Recommended Prerequisite: Algebra I. Qualifies as a Quantitative Reasoning course.

2160 Career Exploration Internship**12 1 Semester 1 or 2 Credits**

Professional Career Internship is a Career and Technical Education Business and Information Technology course that is designed to provide opportunities for students to explore careers that require additional degrees or certification following high school. The emphasis of the experience is on applying skills developed through instruction and on learning new career competencies at the internship site. The internship is tailored to the unique needs and interests of the student and is considered a high school capstone experience towards fulfillment of the student's meaningful future plan. Upon completion of the internship, students will review and revise their career plans. A training agreement outlines the expectations of all parties: the intern, parent/guardian, site supervisor/mentor, internship coordinator, and the school. Students participating in these structured experiences will follow class, school, business/industry/organization, State, and Federal guidelines. Internships will include a classroom component one day each week and regular contact between the interns and internship coordinator. Internship placement must match the student's career interest. A minimum of 70 hours of workplace experience and a minimum of 15 hours of classroom activities are required for one credit. A minimum of 140 hours of workplace experience and a minimum of 30 hours of classroom activities are required for two credits. Course may be repeated for a second semester in a new internship placement. Students are required to maintain a 2.0 GPA to be eligible for this course.

Introduction to Advanced Manufacturing and Logistics**11-12 2 semesters 1 or 2 credits weighted.75**

Introduction to Advanced Manufacturing and Logistics introduces students to the technology, skills, and knowledge needed in today's modern, high-tech, advanced manufacturing and logistics environments. Using the Hire Technology curriculum, which was developed by Indiana industry members, students will gain a working knowledge of safety, quality, and production processes, and will apply their new skills and knowledge in classroom projects. Emphasis is placed on understanding manufacturing and logistics processes as a whole. In addition, students will gain a basic understanding of computer-numerical control devices, electrical skills, operations processes, inventory principles, and basic business principles. Students have the opportunity to develop the characteristics employers seek, earn nationally-recognized industry certificates, and get college credit.

Advanced Manufacturing I**12 2 semesters 1 or 2 credits weighted .75**

Advanced Manufacturing I prepares students for careers in Indiana's largest industry: Advanced Manufacturing. *Advanced Manufacturing I* uses Indiana's industry-driven Hire Technology curriculum, which features online instruction, virtual simulators, and classroom projects. Students will build on the basic concepts and skills covered in *Introduction to Advanced Manufacturing and Logistics*. *Advanced Manufacturing I* offers an in-depth look at electronics, schematics, programmable controllers, and robotics. Key manufacturing processes and principles, such as quality, safety, continuous improvement, and lean manufacturing are also woven into the class. Students in the course will apply what they've learned and work directly with members of industry, tackling projects, learning how the business works, and building relationships. Along the way, students will have the opportunity to earn college credit and industry certificates.

English**1215 English 9 College Prep****9 2 Semesters 2 Credits**

English 9 is a two semester course for freshmen at Salem High School. The study of literature, grammar, vocabulary, oral communication, and composition is integrated and continues through both semesters. The study of literature focuses on the structure of various types of literature, including short stories, novels, poetry, nonfiction, and drama. Oral communication emphasizes effective listening and speaking techniques which students are asked to use in presentations and critical listening activities. Composition focuses on using the writing process to write various types of paragraphs, longer essays, and several types of creative writing (short stories, poetry, plays). Units on study skills, library skills, and test-taking skills are also included.

1250 English 9, Honors**9 2 Semesters 2 Credits weighted +.5**

English 9 is a two semester course for freshmen at Salem High School. The study of literature, grammar, vocabulary, oral communication, and composition is integrated and continues through both semesters. The study of literature focuses on the structure of various types of literature, including short stories, novels, poetry, nonfiction, and drama. Oral communication emphasizes effective listening and speaking techniques which students are asked to use in presentations and critical listening activities. Composition focuses on using the writing process to write various types of paragraphs, longer essays, and several types of creative writing (short stories, poetry, plays). Units on study skills, library skills, and test-taking skills are also included. This more challenging level of English 9 and is intended for high

achieving students. Recommended for students on the Academic Honors Diploma track, and may be selected by the Core 40 diploma students. *Recommended grade of B or above in Grade 8 Language Arts.*

1225 English 10 College Prep
10 2 Semesters 2 Credits

English 10 is the integrated study of literature, composition, and oral communication. English 10 reinforces and continues to make full use of many of the activities and skills of English 9. Literature is focused on American and World authors including classic and contemporary works. Students will use literature to identify and form conclusions, recognize and use persuasive devices, judge authors' purpose, perspective and expertise, and develop vocabulary through decoding, using Greek and Latin roots, literary terms, contextual clues, and independent reading. The composition component provides opportunities to write for various audiences and purposes. Students will identify and employ various elements of good writing in well organized descriptive, expository and narrative writing. The study of grammar usage, spelling, and language mechanics is integrated into the study of writing. Students will also be provided with opportunities to develop oral communication skills by using effective delivery techniques, communicating responsibly, critically and confidently when speaking in public. Students will also create and use technology in presentations.

1251 English 10, Honors
10 2 Semesters 2 Credits weighted +.5

This more challenging level of English 10 and is intended for high achieving students. Recommended for students on the Academic Honors Diploma track, and may be selected by Core 40 diploma students. *Recommended grade of B or above in English 9, Honors.*

1235 English 11 College Prep
11 2 Semesters 2 Credits

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. In English 11, students move from predominantly analyzing and using the elements of written language to making judgments based on those analyses. English 11 also incorporates a synthesis and analysis of information from a variety of sources, studying literary canon, much of which is from a culture or time period different from that of the students—a survey of American Literature from different periods. Students are given opportunities to produce a variety of forms including persuasive writing, procedures, giving directions, and using graphic forms to support a thesis. Oral Communication activities emphasize effective listening and speaking techniques. This includes providing opportunities for students to integrate other reading and language arts skills as they incorporate correct grammar, usage, vocabulary, reading, and composition skills while learning to express ideas verbally.

1255 English 11 Honors
11 1 Semester 1 credit weighted +.5

This more challenging level of English 11 is intended for high achieving students. Recommended for students on the Academic/Technical Honor Diploma track, and may be selected by core 40 diploma students. *Recommended grade of B or above in English 10, Honors*

7250 English Language and Composition, Advanced Placement
11 2 Semesters 1 credit weighted +1.0

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. *Recommended grade of B or above in English 10, Honors.*

1245 English 12 College Prep
12 2 Semesters 2 Credits

English 12 is the integrated study of literature, composition and oral communication. English 12 continues to refine students' ability and desire to learn and communicate about language and literature. In English 12, students will practice explaining and defending their interpretations of literature to others. Students will be studying British literature thematically, analyzing content and themes of several major works of literature. Major works covered include Beowulf, The Canterbury Tales, Macbeth or Hamlet, Paradise Lost and works by poets from all eras of British history. Students will be expected to apply appropriate reading skills and strategies to make and defend judgments about written quality and content of literary works, genres and conventions. Students will be expected to respond critically, reflectively and imaginatively to the literature of various British authors. Vocabulary study is stressed throughout the course. Throughout both semesters students in English 12 will write several types of compositions. Expository essays, journal entries, creative essays and responses to literature will be included, with an emphasis on refining composition and grammar skills. A major research project on an author, which requires the reading of at least one of the author's major works and the writing of several essays, is also required. Essays will be expected to have a clearly identified audience, a well-articulated purpose/thesis, and a structured body that supports the thesis. The formal study of grammar, spelling and language mechanics is integrated into the study of writing.

Oral communication skills will be practiced in the form of group and individual presentations to the class. Emphasis will be on presenting facts and arguments clearly, utilizing elementary logic and expressing and defending one's thesis.

1257 English 12 Honors

12 **2 Semesters** **2 Credits** **weighted +.5**

This more challenging level of English 12 is intended for high achieving students. Recommended for students on the Academic/Technical Honor Diploma track, and may be selected by core 40 diploma students. *Recommended grade of B or above in English 11, Honors.*

Biblical Literature Honors

11-12 **1 Semester** **1 Credits** **weighted +.5**

Biblical Literature is a study of the Bible, viewed from a literary standpoint, as a source of a wide variety of literary patterns, themes, and conventions. Students examine the different books in relation to the various historical time frames of the books and in relation to related literature as it pertains to Biblical themes. Students read, discuss, and write about Biblical references (allusions) in both classical and modern literature, formation of a canonical Bible, inclusion of apocryphal and heretical writings, oral versus literate transmission of sacred history and doctrine, and questions and problems of interpretation.

English Literature (Literary Interpretation)

12 **1 Semester** **1 Credits** **weighted +.75**

English Literature is a study of representative works of the English-speaking authors associated with the Commonwealth of Nations, including England, Scotland, Ireland, Wales, Canada, Newfoundland, Australia, New Zealand, India, South Africa, Kenya, Botswana, and others. Students examine a wide variety of literary genres that reflect the English-speaking peoples from the Anglo-Saxon Period to the present. Students analyze how the ideas and concepts presented in the works are both interconnected and distinctly reflective of the cultures and the countries in which they were written. *Offered for dual credit through Indiana University Southeast (for seniors)*

Creative Writing Honors

11-12 **1 Semester** **1 Credits** **weighted +.5**

Creative Writing is a study and application of the rhetorical writing strategies for prose and poetry. Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

1260/1263 Advanced Speech & Communication/Speech

10-12 **1 Semester** **1 Credit** **weighted +.75**

Speech is a one-semester class for college bound sophomores, juniors and seniors in public speaking and oral communications. Students prepare and deliver speeches to inform, persuade, convince, entertain and inspire. In addition, specialized areas of oral communication are studied. The course emphasizes research using technology and careful organization and preparation. *Offered for dual credit through Indiana University Southeast (for seniors).*

1270 Journalism I

9-12 **2 Semesters** **2 Credits**

Journalism is a two-semester course for freshmen through seniors at Salem High School. This class is an overview of the different aspects of journalism. Its successful completion is a prerequisite for enrolling in the newspaper class and yearbook class as an upperclassman. The course includes an overview of the history of journalism, the elements of mass communications, and advertising, as well as legal, social and ethical responsibilities of journalists. Students will learn correct journalistic styles of writing for newspaper and yearbook, become proficient at desk-top publishing, layout, design and learn the basics of darkroom photography and digital editing. Students will also learn the basics of Photoshop, Moviemaker, Aldus Pagemaker, and other desktop programs that are utilized in digital journalism. This class requires a strong background in grammar, good writing skills and willingness to work with technology.

1275 Student Publications/Newspaper

10-12 **2 Semesters** **Currently offered as an afterschool activity.**

The newspaper class is a two-semester course for sophomores, juniors and seniors who have successfully completed the journalism course. This class uses skills learned in the beginning journalism course. Students in this class will produce and maintain the online student newspaper, *The Cub*. (shscub.wordpress.com) Students will write and take pictures for the online publication. Students will be assigned specific stories for each issue and will be graded on the quality of work done for each issue, as well as their observance of established deadlines. Many times assignments must be completed outside of the class period. *(Prerequisite: Journalism I)*

1280 Student Publications/Yearbook

11-12 **2 Semesters** **Currently offered as an afterschool activity.**

The yearbook class is a two-semester course for sophomores, juniors and seniors who have successfully completed the journalism course. This class uses skills learned in the beginning journalism course. Students in this class will produce the school yearbook, *The Lyon*. Students will write stories and design layouts using desktop publishing, as

well as procuring all photos needed for the yearbook pages. Students will be required to sell advertising during the summer and fall to fund *The Lyon*, and many times assignments will require after school or weekend work. Students will be graded on the quality of work done on their assigned section and the amount of advertising sold, as well as their observance of established deadlines. (*Prerequisite: Journalism I*)

1295 Etymology

10-12 1 Semester 1 Credit

As it enables students to increase their vocabularies, Etymology helps prepare students to perform well on college entrance exams such as the SAT, ACT, and PSAT. The class provides instruction in the derivation of English words and word families from their Latin and Greek, as well as Germanic origins. It also provides the connotative and denotative meaning of words in a variety of contexts. Students may study the origins and meanings of English words, including roots, suffixes, prefixes and reasons for language change. This course introduces students to tools and resources for etymological study and encourages them to be curious about the English language. *Recommended prerequisite: Core 40 or Academic Honor Diploma Track/Sophomores with B or higher in English 9.*

Fine Arts

1410 Introduction to Two-Dimensional Art 1A

9-12 1 Semester 1 Credit

The first semester of an exploratory course open to all SHS students interested in the Fine Arts. The course includes art history, art criticism, aesthetics, and production. Through producing their own work for portfolios, students explore a variety of ideas and problems. Students have the opportunity to master basic art tools, skills, and language through the completion of original projects in Drawing, Printmaking, Painting, Ceramics, and Design. No previous Art background is needed.

1415 Advanced Two-dimensional Art 1B

9-12 1 Semester 1 Credit

The second semester of an exploratory course open to all SHS students interested in the Fine Arts. The course includes art history, art criticism, aesthetics, and production. Through producing their own work for portfolios, students explore a variety of ideas and problems. Students have the opportunity to master basic art tools, skills, and language through the completion of original projects in Drawing, Printmaking, Painting, Ceramics, and Design

1420/1425 Advanced Two-Dimensional Art 2A/2B

10-12 2 Semesters 2 Credits

A refinement of the skills learned in the introductory class, with emphasis on producing works of art in a variety of two-dimensional media. Students produce works for portfolios as they search for meaning, significance and direction in their own work. Students will have the opportunity to work on larger surfaces and explore new tools and techniques, while developing a more professional finished product. The course focuses on production as well as art criticism, history, and aesthetics. *Prerequisite: C+ or better in first year art or consent of instructor.*

1430/1435 Advanced Two-dimensional Art—Honors 3A/3B

10-12 2 Semesters 2 Credits

In their third year, students work more individually with the instructor in exploring the subject matter, styles and media for which the student shows the most aptitude. Students are encouraged to develop portfolios in the preparation for college or technical school admissions requirements, for use in showing prospective employers, and for their own enjoyment. Students will complete projects in a variety of media, with continued emphasis on the development of an original style and approach. Work will include original projects in both Fine Arts and Commercial Art. *Pre-requisite: B in Advanced Two-Dimensional Art or consent of instructor.*

1440/1445 Advanced Two-Dimensional Art—Honors 4A/4B

11-12 2 Semesters 2 Credits weighted +.5

In fourth year art, students continue to work individually with the instructor in exploring the subject matter, styles and media for which the student shows the most aptitude. Students are encouraged to develop portfolios in the preparation for college or technical school admissions requirements, for use in showing prospective employers, and for their own enjoyment. Students will complete projects in a variety of media, with continued emphasis on the development of an original style and approach. Work will include original projects in both Fine Arts and Commercial Art. *Prerequisite: B in Advanced Two-Dimensional Art or consent of instructor.*

1450 Advanced Chorus

9-12 2 Semesters 2 Credits

Advanced Chorus develops the singing voice in both individual and ensemble situations. Vocal technique, musicianship, and exposure to worthwhile choral literature are emphasized through both process (rehearsal) and product (public performance). Basic theory, sight-singing, and historical context are included in the process of preparing literature for performance. Students are typically required to attend 4-6 scheduled events and performances outside of school. Dates and times for these events are posted at the beginning of each school year.

Prerequisite: Membership by Audition / Permission of Instructor. Enrollment is limited. See instructor for the selection process.

1455 Advanced Chorus, Honors

11-12 2 Semesters 2 Credits weighted +.5

This course requires individual instruction, public performance, online independent study, small group sessions and instructor consent. Students will do this course while taking the Advanced Chorus class. Credit will not be given for both. Students must be in their 3rd or 4th year of high school choir. They may repeat the course once for credit. Instructor consent is required.

1460 Advanced Concert Band

9-12 2 Semesters 2 Credits

High School Band class continues to develop the skills learned in Middle School Band. Elements of musicianship are developed including tone productions, technical skills, intonation, music reading skills, listening skills, and analyzing music. Individual music skills are developed through optional participation in Solo and Ensemble Contest. Marching Band participation is strongly encouraged. Students involved in Fall Sports or Cheerleading may be exempted from Marching Band participation. Marching band participants can earn one PE credit per year. Pep Band is encouraged also, with each student in Band class performing at a predetermined percentage of the season's home basketball games. Two concerts will be scheduled, one in winter and one in the Spring. **Prerequisite: Middle school band participation or permission of the instructor.**

1470 Music History and Appreciation

10-12 1 Semester 1 Credit

Music Appreciation is offered for students who are interested in studying music as an art form. Different styles of music will be discussed in a historical perspective. Listening examples will be presented to correlate with class discussion and related assignments which analyze, describe and evaluate musical performances. Students should be open to presentations of all types of music, present and past. The course will assist students in understanding the relationships between music and the other arts as well as disciplines outside of the arts.

1475 Electronic Music

10-12 1 Semester 1 Credit

This course studies electronic music and electronic instruments and their role in the history of music. Students will incorporate the history of current technology to connect, examine, define, extend, refine and integrate electronic music study into other areas. This course uses videos, recordings, demonstrations, and historical documentation to understand the relationships between technology and the other arts and disciplines outside of the arts.

1480 Musical Theater

9-12 1 Semester 1 Credit

Musical Theatre is open to any student who is willing to work well with others and perform various projects on stage. The class is conducted in a workshop format with an introductory sequence of exercises that develop students' ability to speak and move expressively on stage. Students collaborate on one or more productions that are performed during the semester. Emphasis is on straight plays with occasional use of musical elements. Students will refine their abilities to collaborate on performances and learn to constructively evaluate their own and others' efforts. Students are required to participate in one or two productions outside of school during the semester. Enrollment is limited.

1485 Advanced Musical Theater

9-12 1 Semester 1 Credit

Advanced Musical Theatre is a second semester continuation of Musical Theatre and is designed to build upon the introductory skills already developed by the student in Theatre Arts. Students will understand the interrelationships between playwrights, directors, actors, designers, producers, and technicians by assuming these roles in advanced productions. Students are required to participate in one or two productions outside of school during the semester. The class may be repeated for credit with consent of instructor. **Prerequisite: Grade of "A" in Musical Theatre or consent of instructor.**

XXXX Music Theory

9-12 2 Semesters 2 Credits

Foreign Language

1510 French I

9-12 2 Semesters 2 Credits

Instruction at this level introduces students to pronunciation and intonation patterns, basic grammatical structures and vocabulary. The class partners "skill-using" activities to develop the students' communication skills. Students will be expected to use French in giving and comprehending oral directions, commands, appropriate forms of address and simple questions; in reading and writing short texts and simple phrases. Students will also learn nonverbal

communication, awareness of cultural issues, holidays, greetings, introductions and etiquette. Special emphasis is placed upon a Paris unit. *Students must pass 1st semester in order to go to 2nd semester.*

1520 French II

10-12 **2 Semesters** **2 Credits**

Instruction at this level opens with a detailed review of the Level I work. Level II concentrates on the mastery of grammar, the expansion of vocabulary, along with reading and writing skills. Students will increase their ability to listen to and acquire information, express themselves more freely, read more complicated materials, and write with more accuracy and appropriate expressions. Students will be able to use French to ask questions and participate in conversations, relate simple narratives and interact in social situations; understand main ideas, read aloud with correct intonation, and write brief responses. *Recommended C or higher in French I.*

1530 French III / VU

11-12 **2 Semesters** **2 Credits** **weighted +.75**

Instruction at this level is designed to provide the student with greater facility in all the language skills such as responding to questions and interacting in social and other occasions. The student is given the opportunity to express ideas by expanding his or her vocabulary through individual projects and compositions. Oral, written, and reading activities are also emphasized using authentic materials and literary selections. There is a study of French history along with the study of more complicated grammatical structures. Parts of this class are taught in the target language. *Recommended C or higher in French II. This class has been approved as a dual credit course (FREN 101 and 103) through Vincennes University.*

1540 French IV / VU

11-12 **2 Semesters** **2 Credits** **weighted +.75**

Instruction at this level will continue the study of difficult grammatical structures. A French art unit and literature unit are also incorporated into the curriculum. Students will be given the opportunity to refine their communication skills via listening, speaking, reading and writing activities including presentations and creative writing. This class is primarily conducted in the target language. *Prerequisite: C or higher and teacher recommendation from French III. This class has been approved as a dual credit course (FREN 201 and 203) through Vincennes University.*

1550 French V Honors

12 **2 semesters** **2 credits** **weighted +.5**

French V provides opportunities for students to interact and exchange information in culturally and social 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. Students will continue to develop understanding of French-speaking culture through investigating the origin and impact of cultural identity in the target culture and the student's own culture, and explaining how the target language and culture have impacted other communities. This course further emphasizes the integration of concepts and skills from other content areas with the target language and cultural understanding, as well as the exploration of community resources intended for native French speakers.

1515 Spanish I

9-12 **2 Semesters** **2 Credits**

In Spanish I students learn the basic grammar of the language and its pronunciation and intonation patterns through repetition and continued, daily use. Vocabulary learned is used throughout the course. Memorization and spelling is stressed. This course is devoted to learning the present tense. Culture is taught through the reading of the lessons in the textbook and from outside sources. Students will be expected to use both oral and written Spanish in responding to the following various stimuli: responding to short narrative texts, comprehension of brief written and oral directions and information, description of their personal routines, discussion of current events, and comprehension of the geography of both Spain and Mexico. Students will also be expected to both give and follow written and oral commands, use appropriate forms of address and simple questions, and use and understand simple phrases used in menus, signs, and schedules. Students will also learn nonverbal communication and increase their awareness of Spanish cultural issues, holidays, and etiquette. Finally, students will also be able to use greetings and introductions in social settings. *To be successful, it is recommended that students receive a grade of C- in the first semester to continue with the 2nd semester.*

1525 Spanish II

9-12 **2 Semesters** **2 Credits**

In Spanish II students review much of what was learned in Spanish I. New tenses are introduced throughout the year. More writing is done and longer readings will be included asking students to understand main ideas, read aloud with correct intonation, and write brief responses. Exact translation is important, with cultural understanding stressed. More detailed grammar points are included. Cultural material comes from the textbook and outside sources. Students will be able to use Spanish to ask questions and participate in conversations, relate simple narratives and interact in social situations. Students will be exposed to the history, culture, political structures, arts and geography of Spanish-speaking peoples. *Recommended C or higher in Spanish I.*

1535 Spanish III/ ITCC**10-12 2 Semesters 2 Credits weighted +.75**

In Spanish III students will build on vocabulary learned in I and II. They will be able to understand and use oral Spanish to interact in a variety of social situations such as birthdays, weddings, illnesses, and funerals. Students will be able to read and respond both orally and in written form to a variety of authentic materials such as newspapers, magazines, and commercials. Reading comprehension will be augmented through the use of literary selections, and oral communication will be enhanced through the discussion of these selections in the target language. Culture and literature will be studied and individual projects will be undertaken throughout the year in which students will be asked to write summaries of their projects and respond to questions posed by their peers in Spanish. More grammatical details will be introduced as well as an introduction of more verb tenses. *Recommended C or higher in Spanish II. Spanish III has been approved as a dual credit course (SPAN 101) by Ivy Tech Community College*

1545 Spanish IV/ ITCC**11-12 2 Semesters 2 Credits weighted +.75**

In Spanish IV students will continue to build on vocabulary learned in I, II, and III while studying more difficult and complex grammatical structures. They will use more advanced authentic materials to discuss contemporary topics, artistic figures, and historical time periods. Students will also read novels and write essays that evaluate what was read. They will also participate in class discussions and give presentations in the target language that relate to these novels. Finally, students will incorporate creative writing through the construction of poetry and prose. The student creation of videos, games, books, and special projects will advance both oral communication and language comprehension. *Prerequisite: A B average and teacher recommendation from Spanish III. Spanish IV has been approved as a dual credit course (SPAN 102) by Ivy Tech Community College.*

1556 Spanish V Honors**12 2 semesters 2 credits weighted +.75**

Spanish 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 Spanish-speaking culture. This course emphasizes the use of appropriate formats, varied vocabulary and complex language structures within student communication, both oral and written, as well as the opportunity to produce and present creative material using the language. Additionally, students will continue to develop understanding of Spanish-speaking culture through investigating the origin and impact of significant events and contributions unique to the target culture, comparing and contrasting elements that shape cultural identity in the target culture and the student's own culture, and explaining how the target language and culture have impacted other communities. This course further emphasizes the integration of concepts and skills from other content areas with the target language and cultural understanding, as well as the exploration of community resources intended for native Spanish speakers. *(Prerequisites: C or higher average in Spanish I, II, III and IV)*

Health/Physical Education**1610 Physical Education I and Physical Education II****9 2 Semesters 1 Credit**

Physical Education class meets for one full year and is taken by all freshmen. The course includes health-related fitness activities, aerobic exercise, team sports, individual and dual sports, outdoor pursuits, dance and recreational games. Specific units taught in class include flag football, soccer, volleyball, physical training, bowling, floor hockey, basketball, archery, badminton, table tennis, golf, tennis, softball. 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. A portion of each unit is used for teaching skills. Grades are primarily based on participation.

1620 Health Education**10 1 Semester 1 Credit**

Health is a required course and is taken during the sophomore year. Various topics are covered including growth and development, mental and emotional health, community and environmental health, nutrition, family life, consumer health, personal health, alcohol, tobacco and other drugs, intentional and unintentional injury, and health promotion and disease prevention. Films relating to subject matter are also shown. An occasional guest speaker is invited to present a program.

1625 Advanced Health**11-12 1 Semester 1 Credit**

This course would be designed for students interested in subjects such as Kinesiology, Exercise Science, Biomechanics, Exercise Physiology, Exercise Testing and Prescription, Principles of Strength and Conditioning, Epidemiology of Athletic Injuries, Nutrition and Physical Fitness. This course would be a great introduction to careers in the field of Sports Medicine, Kinesiology, Exercise Science, Sports Administration and Management, Sports Psychology, Athletic Training, Physical Education, Health Education and many other Health Careers. ***May not be offered every year.***

1630 Elective Physical Education (Wellness)

9-12 1 Semester 1 Credit

This course hopes to develop physically educated students who maintain appropriate levels of cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life. Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in one or more specific areas. A minimum of two of the following activities should be included: team sports; dual sports activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance. It includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. Students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities. Prerequisites: Physical Education I and coach/teacher recommendation. Freshmen may enroll with coach's recommendation.

Mathematics

1826 Algebra I Lab

9-12 2 Semesters 2 Credits

Algebra enrichment is a mathematics support course for algebra I. The course provides students with additional time to build the foundations necessary for high school math courses, while concurrently having access to rigorous, grade-level appropriate courses. However, whereas algebra I contains exclusively grade-level content, Algebra Enrichment combines standards from high school courses with foundational standards from the middle grades. Algebra Enrichment is designed as a support course for algebra I. **As such, a student taking algebra enrichment must also be enrolled in algebra I during the same academic year.**

1830 Algebra I

9-12 2 Semesters 2 Credits

Algebra I emphasizes the development of algebraic skills and concepts necessary for geometry and other college-preparatory courses. The course uses algebraic skills in a wide range of problem-solving situations, including the concept of function. Other topics include properties of real numbers, solution and evaluation of equalities and inequalities, graphing of linear equations and solution sets, basic operations with polynomials, solving quadratic equations and systems of equations, and use of exponents. *Recommended prerequisite: B or higher in Grade 8 Math or C or higher in Pre-Algebra.*

1835 Honors Algebra I

9-10 2 semesters 2 credits

Same as algebra I; however each concept will be studied in more depth and at a faster pace. Prerequisite: B or higher in 8th grade math and B or higher in pre-algebra. It is highly recommended for students that did NOT get an A or B in 8th grade honors algebra I. ***This class is designed for honor students who wish to earn the Academic Honor Diploma.***

1899 Math 10

10-11 2 semesters 2 credits

Math 10 reinforces math skills to help student be successful in high school math classes beyond the algebra I level. The course is also beneficial for students needing to pass the ISTEP algebra course. ***This course does NOT satisfy a math requirement for the Core 40 or higher academic diploma.***

1840 Geometry

9-12 2 Semesters 2 Credits

Geometry provides students with experience that deepens the understanding of shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions is stressed. Properties and relationships of geometric figures include the study of angles, lines, planes, congruent and similar triangles, trigonometric ratios, polygons, and circles and spatial drawings. A strong background in Algebra is essential for success in this course. *Recommended prerequisite: C or better in Algebra ii.* ***This class is NOT recommended for those seeking the Core 40 with Academic Honors Diploma.***

1845 Geometry, Honors

9-12 2 Semesters 2 Credits weighted +.5

Same as geometry; however, each concept will be studied in more depth and, in some cases, at a faster pace. It is highly recommended that only students who earned an A or a B in Algebra I take this course. This class is designed for those students who wish to earn the Academic Honor Diploma. *Prerequisite: C or better in Algebra II.* ***This class is NOT recommended for those seeking the Core 40 with Academic Honors Diploma.***

1850 Algebra II**10-12 2 Semesters 2 Credits**

Algebra II is a continuation of the concepts studied in Algebra I and Geometry and further develops the concept of function. Topics of this course include the theorems and algorithms of algebra, polynomials and polynomial functions, rational exponents, the complex numbers, sequences and series, and the properties and graphs of conic sections, permutations and combinations, matrices, and exponential and logarithmic functions. *Recommended prerequisite: C or higher in Algebra I. This class is NOT recommended for those seeking the Core 40 with Academic Honors Diploma.*

1855 Algebra II, Honors**10-12 2 Semesters 2 Credits weighted +.5**

Same as Algebra II; however, each concept will be studied in more depth and at a faster pace. This class is designed for those students who wish to earn the Academic Honor Diploma. Algebra II can be taken concurrently with geometry for those students seeking to take both Pre-Calculus and Calculus before graduating and are not already in the advanced program. *Pre-Requisite: C or higher in Algebra I. This class is NOT recommended for those seeking the Core 40 with Academic Honors Diploma.*

1862 Pre-Calculus/ Trigonometry /ITCC**11-12 2 Semesters 2 Credits weighted +.75**

Pre-calculus is a two-semester course that provides skills and concepts that must be mastered prior to enrollment into AP calculus. Topics include the study of relations, functions, logarithms, exponentials, data analysis, sequences, series, limits, trigonometry in triangles, trigonometric functions, trigonometric identities, trigonometric equations, and polar graphing. Prerequisite: C or higher in Honors Algebra II or Algebra II. Recommended for students planning a major in a math, technology, engineering, or science field. Counts as a Mathematics Course for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas. Pre-Calculus has been approved as a dual credit course (MATH136/137) through Ivy Tech Community College.

1870 Finite Mathematics/ITCC**11-12 2 Semesters 2 Credits weighted +.75**

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: counting techniques, matrices, recursion, graph theory, social choice, linear programming, and game theory. Prerequisite: C or higher in Honors Algebra II or Algebra II. Counts as a Mathematics Course for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas. Finite Mathematics has been approved as a dual credit course (MATH135) through Ivy Tech Community College.

1865 Calculus/ITCC**11-12 2 Semesters 2 Credits weighted +1.0**

Calculus provides students with the content which has been established by the Indiana Academic Standards. Students who score high on the College Board Advancement Placement Test may earn college credit in Calculus. Topics include limits, continuity, derivative, definite integrals, and techniques of integration involving rational trigonometric, logarithmic, and exponential functions. *Recommended prerequisite: C or higher in Trigonometry and Pre-Calculus. Recommended for Honor Diploma. This class has been approved as an Advanced Placement Course.* Calculus has been approved as a dual credit course (MATH 211) through Ivy Tech Community College.

Science

1930 Biology I**9 2 Semesters 2 Credits**

The goals of this course are to provide the student with meaningful instruction in science appropriate for a terminal biology class. Instruction will focus on the principles of biology as well as historical perspectives. Students will explore the biological world through hands-on activities and through the use of a variety of technologies. Content will focus on addressing only the standards in Biology as set forth by the state of Indiana including functions and processes of cells, tissues, organs and systems within various species of living organisms.. Topics of study include molecules and cells, developmental and organismal biology, genetics, evolution, and ecology. Students will gain an understanding of the history of biological knowledge and explore the uses of biology in various careers. **This course is NOT preparatory for the advanced Biology II courses.**

1935 Biology I - Honors

9-12 2 Semesters 2 Credits weighted +.5

Biology I Honors is a challenging course directed toward the student who plans to go to college. It is a fast paced course that is designed to address all standards in biology as set forth by the state of Indiana and is pre-requisite to taking the advanced biology courses. The course contents have a heavy focus on cellular and molecular biology that is geared toward the student who is science minded and especially for those interested in careers in the health or science fields. The course teaches science process skills through a variety of hands-on/minds-on activities. Students learn how to make observations, collect, organize, display and interpret data. They also learn how to propose hypotheses and test their hypotheses through experimentation. Students investigate cell structure and related living processes to gain an understanding of the links between all living beings. Basic fundamental principles of Biology and how they apply to the real world are examined through problem-solving patterns. The diversity of life and the system for passing genetic traits on to obtain this diversity is examined. Students also learn how biologists bring order to the living world through a complex system of classification and naming based upon a variety of criteria. *Recommended for Science/Health Career Majors*

1925 Integrated Chemistry/Physics

9-12 2 Semesters 2 Credits

This laboratory-based course is an introduction to the fundamental principles of chemistry and physics in solving real-world problems that may have personal or social applications beyond the classroom. The first semester of the course deals with the metric system, motion, forces, energy, and the nature of matter, along with a basic study of magnetic force, electricity, sound and light.

The second semester serves as an introduction to Chemistry – the structure and properties of matter and how atoms react to form chemical substances and nuclear energy. A basic understanding of fractions, proportions, and mathematical formulas is needed for this course. *Prerequisite: Pre-Algebra or Algebra I. ICP is not intended for students who have successfully completed Chemistry I or are enrolled in Physics or Chemistry II.*

1940 Biology II Honors – Special Topics - Anatomy and Physiology / ITCC

10-12 2 Semesters 2 Credits weighted +.75

Anatomy and Physiology focuses on the structure of the human body and how that structure is relation to function. The class will begin with a study of the various types of cells found composing most body tissue. The majority of the course will involve the study of the major body systems through both text book and laboratory work. Laboratory work will involve dissection of the fetal pig due to its similarity to man as a representative vertebrate, and selected mammalian organs. It will also involve experiments in human physiology using modern technology to better understand the function of body organs and systems. The studies will contrast healthy function to that of disease and will incorporate an introduction to commonly used medical terminology. *Recommended prerequisite: C or better in both Biology I Honors and Algebra I (B or better in Biology I). Offered in Alternating Years/. Dual Credit through ITCC is available for students who meet qualifying criteria. Successful completion of Anatomy and Physiology for dual credit is a prerequisite to receiving dual credit for Microbiology through ITCC the succeeding year.*

1946 Earth Space Science/ ITCC

11-12 2 Semesters 2 Credits weighted +.75

This course is designed to develop an understanding of the major principles of geology, meteorology, astronomy, oceanography and environmental science. Through class work and laboratory experiments, the student will develop a sense of awareness about the systems and mechanisms that shape our planet and drive our weather, climate and universe. Students will have opportunities to gain an understanding of how energy and matter interact in these complex systems and how technology and knowledge in these areas can be used to deal with and reduce problems related to personal needs and social and environmental issues. *Recommended prerequisites: This course is intended for juniors and seniors. Must have successfully completed Biology I and either Integrated Chemistry and Physics (ICP) or Chemistry I.*

1950 Biology II/Microbiology and Genetics/ ITCC

10-12 2 Semesters 2 Credits weighted +.75

Microbiology is the study of living things that cannot be seen with the unaided eye. The course will focus on the usage of advanced microscopic techniques and a variety of other laboratory procedures to study life processes in living microbes. Students learn methods for safe handling of bacteria and viruses as research tools and learn procedures in quantifying data. Many of the skills learned are necessary skills for students desiring to take the genetics course. Students use scientific notation in expressing lab results in mathematical form. Microbial ecology and medical bacteriology are principal topics addressed in the content. *Recommended prerequisite: C or better in both Biology I Honors and Algebra I. **Regular Biology I does not provide a foundation for this course.** This class has been approved as a dual credit course (BIOL 211) through Ivy Tech Community College. Offered In Alternating Years/Scheduled 2012-2013.*

Genetics is the study of how hereditary information is passed from one generation to the next and how that hereditary information is expressed in the offspring. The classroom part of the course will focus on the molecular mechanisms of heredity as well as an examination of patterns of inheritance. Students will undertake projects related to genetic disease. The lab work of the course will involve using cutting edge technology in the handling and manipulation of DNA. Computer simulation of genetic experiments along with actual crossings of fruit flies, sardoria fungi, OR Wisconsin fast plans allow students to investigate different types of inheritance patterns. Quantitative

(mathematical approaches) to handling and expressing scientific results are stressed. **Students must have successfully completed Microbiology to possess the laboratory skills necessary to take this course.** *Recommended prerequisite: C or better in both Biology I Honors, Algebra I, (B or better in Biology) and Microbiology. Offered In Alternating Years/. Genetics is not currently offered for dual credit.*

1960 Chemistry I

11-12 2 Semesters 2 Credits

This course is designed to develop an understanding of the major chemistry principles. Through class work and laboratory experiments, the student develops a sense of awareness about the matter and the structure of atoms and chemical reactions. Later, the course explores material pertaining to behavior of matter and other selected topics such as acid base chemistry, thermodynamics and electrochemical reactions. Students have opportunities to gain an understanding of the history of chemistry, explore the uses of chemistry in various careers, cope with chemical questions and problems related to personal needs and social issues, and learn and practice laboratory safety.

Recommended prerequisite: C or higher in Biology I and Algebra I.

1965 Advanced Chemistry Inorganic (1st Semester) and Organic (2nd Semester), ITCC

12 2 Semesters 2 Credits weighted +.75

A course designed to provide the student with a chance to develop chemical techniques and develop a working application of chemical principles. Emphasis is on laboratory work and experimentation with all aspects of chemical fields. The course stresses the development of physical and mathematical models of matter and its interactions and the methods of scientific inquiry. First semester focuses mostly on inorganic chemistry and in the second semester focuses on organic chemistry. This course can be taken for dual credit through ITCC (CHEM 101). *Prerequisite: B or higher in Chemistry I.*

1970 AP Physics, ITCC

12 2 Semesters 2 Credits weighted +1

This course is a study of the basic concepts of physics using mathematical skills to show the relationship between matter and energy. The study begins with mechanics--the fundamental aspects related to all physics. The study continues in the major areas of heat, waves, sounds, light, electricity, magnetism, and electronics. Students have opportunities to acquire an awareness of the history of physics and its role in the birth of technology; explore the uses of its models, theories, and laws in various careers; and cope with physics questions and problems related to personal needs and social issues. This course can be taken for dual credit through ITCC (PHYS 101) (must have received dual credit for Trigonometry from ITCC before qualifying for physics dual credit). ***Recommended prerequisite: C in Geometry, Algebra I & II, and Chemistry I.***

1975 Advanced Life Science, Animals, ITCC

11-12 2 Semesters 2 Credits weighted +.75

Advanced Life Science, Animals, is a standards-based, interdisciplinary science course that integrates biology, chemistry, and microbiology in an agricultural context. Students enrolled in this course formulate, design, and carry out animal-based laboratory and field investigations as an essential course component. Students investigate key concepts that enable them to understand animal growth, development and physiology as it pertains to agricultural science. This course stresses the unifying themes of both biology and chemistry as students work with concepts associated with animal taxonomy, life at the cellular level, organ systems, genetics, evolution, ecology, and historical and current issues in animal agriculture. Students completing this course will be able to apply the principles of scientific inquiry to solve problems related to biology and chemistry in highly advanced agricultural applications of animal development. This course meets the requirement for Core 40 Science credits. (*Prerequisites: Biology I and either Integrated Chemistry/Physics or Chemistry I*) Advanced Animal Sciences has been approved as a dual credit course (AGRI 107) through Ivy Tech Community College.

Social Studies

Indiana Studies

10-12 1 Semester 1 Credit

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

2010 Geography and History of the World

9-12 2 Semesters 2 Credits

Students develop and use the six elements of geography to better understand current events and issues facing the

world today. These elements are: The World in Spatial Terms, Places and Regions, Physical Systems, Human Systems, Environment and Society, and the Uses of Geography. Students will demonstrate an understanding of these elements of geography in a context of world history, primarily from 1450 to the present.

2015 Geography and History of the World Honors

9-12 2 Semesters 2 Credits weighted +.5

Students use geographical and historical skills and concepts to deepen their understanding of the global themes contained in the standards. Geography and History of the World is a two-semester alternative to the standard World History course. The skills provide the research tools needed to think geographically and historically: ask geographic and historical questions; acquire geographic and historical information relevant to these questions; produce maps, timelines and other graphic representations to organize and display the information acquired; interpret maps timelines and other graphic representations to solve geographic and historical problems and to analyze world events and suggest feasible solutions to world problems; reach conclusions about the geographic and historical questions posed and give verbal, written, graphic and cartographic expression to conclusions. The concepts provide the intellectual tools needed to think geographically and historically: change over time, cultural landscape, diffusion, human environment interactions, human livelihoods, national character, origin, physical systems, sense of place, spatial distribution, spatial interaction, spatial organization and spatial variation. Assessments will emphasize written papers more than examinations. Recommended for students on the Academic Honor Diploma track, and may be selected by Core 40 diploma students.

2020 World History and Civilization

10-12 2 Semesters 2 Credits

Elective and academic in nature, a study in World History is a general survey course of selected world cultures, past and present. The content of this course provides a basis for students to compare and analyze patterns of culture, emphasizing both the diversity and commonality of human experience and behavior. This course emphasizes the interaction of local cultures with the natural environment, as well as the connections among civilizations from earliest times to the present. World History is designed to focus on prehistory, early world civilizations including the rise of the Middle East, Africa, and Asia; the classical civilizations of Europe, Asia, Africa, and Latin America; and the development of modern societies. World History is a class challenging the student to research, investigate, interpret historic information, allowing that student to develop learning from the past to help prepare to think for the present and future.

2024 Current Problems, Issues, and Events

10-12 1 Semester 1 Credit

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

2025 World History and Civilization, Honors

10-12 2 Semesters 2 Credits weighted +.5

Elective and academic in nature, a study in World History is a general survey course of selected world cultures, past and present. The content of this course provides a basis for students to compare and analyze patterns of culture, emphasizing both the diversity and commonality of human experience and behavior. This course emphasizes the interaction of local cultures with the natural environment, as well as the connections among civilizations from earliest times to the present. World History is designed to focus on prehistory, early world civilizations including the rise of the Middle East, Africa, and Asia; the classical civilizations of Europe, Asia, Africa, and Latin America; and the development of modern societies. World History is a class challenging the student to research, investigate, interpret historic information, allowing that student to develop learning from the past to help prepare to think for the present and future. This more challenging level of World History and is intended for high achieving students. Recommended for students on the Academic Honor Diploma track, and may be selected by Core 40 diploma students. **This course highly recommended for students who are taking Honors US History or Honors Government.**

2030 U.S. History

11 2 Semesters 2 Credits

U.S. History emphasizes national development in the late nineteenth and twentieth centuries and asks students to identify and review significant events, figures, and movements. The course develops themes from America's past as they relate to life in Indiana and the United States today. Students will be asked to sequence historical events, examine cause and effect, identify different perspectives, and relate historical situations to current issues. Students learn to exercise their skills as citizens in a democratic society by engaging in problem-solving and civic decision-making.

2035 U.S. History- Honors/ITCC

11 2 Semesters 2 Credits weighted +.75

U.S. History emphasizes national development in the late nineteenth and twentieth centuries and asks students to identify and review significant events, figures, and movements. The course develops themes from America's past as

they relate to life in Indiana and the United States today. Students will be asked to sequence historical events, examine cause and effect, identify different perspectives, and relate historical situations to current issues. Students learn to exercise their skills as citizens in a democratic society by engaging in problem-solving and civic decision-making. There is an in-depth analysis of the topics and greater emphasis is placed on research. Recommended for students on the Academic Honor Diploma track, and may be selected by Core 40 diploma students. *This class is approved through Ivy Tech Community College as a dual credit course (H102).*

2040 Government

12 **1 Semester** **1 Credit**

Government is a one-semester required course in which the basic foundations of our government are studied. Students explore the historic origins and evolution of political philosophies into current political and legal systems. Students learn to analyze the roles of individuals and groups in the political process by identifying and analyzing current political issues. Students use current technology and sources for in-depth research and presentations on current issues and topics which relate to the constitution, as well as legislative, executive, and judicial branches of government. Special topics covered include: The Constitution, Bill of Rights, political parties, voting, elections, and landmark Supreme Court cases. Government is a required course for all grade 12 students.

2042 Government Honors, ITCC

12 **1 Semester** **1 Credit** **+ .75**

In this one-semester course, students will be studying the basic foundations of our government. Students explore the historic origins and evolution of political philosophies into current political and legal systems. Specifically, students will be studying how time spent as a colony of Britain helped shape our government into what it is today. They will also study famous political theorists such as Thomas Hobbes, John Locke, and Rousseau as they described the basic need for government systems. Students use current technology and sources for in-depth research and presentations on current issues and topics which relate to the constitution, as well as legislative, executive, and judicial branches of government. Not only will students be studying current topics, but they will also learn about the structure and powers of the three branches of government at the state and national levels. Special topics covered include: Types of governments, Democracies, The Constitution, Bill of Rights, political parties, voting and elections, the Electoral College, and landmark Supreme Court cases. ***It is recommended that students take Honors World History and Honors US History before taking this class.***

2045 Economics

12 **1 Semester** **1 Credit**

Economics is a one semester required course. The students will study basic microeconomic and macroeconomic philosophy, which includes the study of supply and demand, inflation, and unemployment. Students also look at economic decisions from the perspective of consumer, producers, savers, and investors. Public policy decisions affecting the national economy are also included in the course which is recommended for all college bound students.

2047 Economics- Honors,

12 **1 Semester** **1 Credit** **+ .5**

This course is a study of how economies distribute scarce resources among people, businesses, and the government. Topics include the mechanisms behind supply and demand, the differing economies of the world, investing and investment strategies, market and business structures, monetary and fiscal policy, and societal issues such as poverty, welfare, Social Security, and employment/unemployment. This class will encompass both theory and practice by allowing students to contemplate how economic systems work dependently and independently while also encouraging students to make real-life economic decisions. Both macro and micro-economic principles are used.

2050 Sociology

11-12 **1 Semester** **1 Credit**

Sociologists investigate the structure of groups, organizations, and societies through the scientific study of human relationships. Sociology curriculum includes the Indiana Academic Standards of foundations of sociology, culture, social status, social groups, and social institutions, social change, social problems, and the individual and the community. Class discussions in addition to many other strategies are used in the study of relationships. This class is for students who have an interest in human relationships and how those relationships affect their social network.

2051 Sociology---Honors

11-12 **1 Semester** **1 Credit** **+ .75**

Sociologists investigate the structure of groups, organizations, and societies through the scientific study of human relationships. Themes covered in the course include culture, social status, social groups, social institutions, social change, social problems, and the individual and community. Students will use strategies such as extensive reading and writing, participation in class discussion, collaboration in group projects, and research to gain an understanding of the practice and discipline of sociology. Honors Sociology is recommended for all college bound students and is a prerequisite for Social Issues Honors.

2055 Advanced Social Science—Social Issues Honors

11-12 **1 Semester** **1 Credit**

Social Issues students identify, explain, investigate, and hypothesize about current social issues through field studies, library and internet research. Social issues are defined, analyzed, and evaluated through practice research the first 12 weeks of the course. Each student is required to complete a final research project that includes a comprehensive examination of a current social issue. The final projects will be included in an SHS Sociology Journal. Extensive reading and writing are required in addition to participation in class and group projects. *Prerequisite: Honors Sociology with an A or B. Social Issues Honors has been approved as a dual credit course (SOC101) through Ivy Tech Community College.*

2060 Psychology

11-12 1 Semester 1 Credit

Psychology provides the student with an opportunity to scientifically study human behavior and begin to understand how knowledge and methods are utilized by psychologists in describing, explaining, predicting and controlling human behavior. Topics will include the science of psychology, biology and behavior, states of consciousness, sensation and perception, learning, memory, intelligence, cognition and creativity. Psychology is recommended for all college bound students.

2065 AP Psychology/ITCC

11-12 2 Semesters 2 Credits weighted +1.0

Advanced Placement Psychology is a two semester course in which students are provided opportunities to learn about human behavior and the application of that knowledge in describing, explaining, predicting, and controlling human behavior. This course provides students with a learning experience that is equivalent to an introductory college course in psychology. A variety of teaching strategies such as active participation, discussion, experiential learning, lecture, and cooperative learning will be employed in helping students to acquire knowledge and understanding of psychology. Students will be required to complete a final project in which they will use knowledge gained to conduct research on a chosen psychological topic and present the outcome of that research to an audience. Topics include: the Science of Psychology, Physiology and Behavior, States of Consciousness, Sensation and Perception, Learning, Memory, Intelligence, Cognition and Creativity, Child Development, Adolescence and Adulthood, Personality, Motivation and Emotion, Health, Stress, Coping, Abnormal Behavior, Therapies, and Social Psychology. *This course has been approved as a dual credit course (PSYC 101) through Ivy Tech Community College and is an Advanced Placement Course.*

20xx Topics in History

10-12 1 semester 1 credit

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

Resource Courses

2250 Life Skills

9-12 1 semester 1 Credit

Students having appropriate social skills are critical to successful functioning in life. These skills include: knowing what to say, making good choices, and how to behave in diverse situations. The extent that students possess good social skills can play a pivotal role in their academic performance, behavior, social and family relationships, and involvement in extracurricular activities. This course is designed to provide direct instruction and group activities that provide students with the skills needed to be successful in a variety of social situations. Students will discover their individual social skills deficits in which the instructor will work with them on. With a full repertoire of social skills, students will have the ability to make social choices that will strengthen their interpersonal relationships and facilitate success in school.

Developmental Reading

9-12 1 Semester 1 credit

Elective credit can be earned for 1-2 semesters. Students will work on reading skills based on their ability. Fluency and reading comprehension strategies will be utilized.

Personal Financial Responsibility

10-12 1 Semester 1 Credit

Students will work on real world math skills including, check book, credit, insurance, budgets, shopping, telling time, and cooking.

Life Skills- Adult Roles & Responsibilities

9-12 1 Semester 1 Credit

Elective credit can be earned for 1-2 semesters. Basic skills that students need to live independently will be emphasized. This will include basic cooking and sewing along with employment, running a household, organization, etc.

Miscellaneous

2145 Humanities (Latin American Studies)

9-12 1 semester 1 credit

A course in humanities provides for the study of content drawn from history, philosophy, literature, languages, and the arts. This course also includes an in-depth study of specific disciplines that could include the arts, literature, ethics, religion, and the social sciences. The emphasis of the course is on developing an understanding of the content of the course and how to actually apply it to the human environment. Particular attention is given to the relevance of these applications in regard to the current conditions of life. Latin American Studies provides an understanding of and appreciation for the diverse peoples, cultures, and economic systems of Mexico, Central and South America, and the Caribbean nations. Content includes geographical and historical factors that have influenced contemporary situations. Topics of study include pre-Columbian civilizations, European colonial systems, development of independent nations, and current issues.

2130 Learning Center

9-12 1 or 2 Semesters No Credit

Students may enroll in one Teacher Supervised Study session each semester if they need extra time in school to complete assignments. Students will be expected to use this time for study and reading. Additional assistance in English and math will be available from tutors and faculty members during the Teacher Supervised Study time.

Prosser Career Education Center

Agriculture Programs

***Horticulture Science (DOE 5132)** Horticulture students study the biology and technology involved in the production, processing and marketing of horticultural plants and products. Students study plant propagation and growth, growth media, floriculture, greenhouse management, nursery stock and landscaping. Students will also participating in a variety of activities, including extensive laboratory work in the exciting world of hydro and aeroponics. **Related Careers:** Landscaper, Horticulture Sales, Sports Turf Specialist

***Landscape Management I (DOE 5136)** Landscape Management students experience an overview of the many career opportunities in the diverse field of landscape management. Students are introduced to the procedures used in the planning and design of a landscape using current technology practices. This includes the principles and procedures of landscape construction, the determination of maintenance schedules, communications and management skills necessary in landscape operations and the care and use of equipment utilized by landscapers. **Related Careers:** Landscaper, Horticulture Sales, Sports Turf Specialist

Architecture and Construction Programs

Architectural Drafting and Design I & II (DOE 5640/5652) Drafting students will learn the theory and skills of architectural drafting and design. Curriculum will focus on all aspects of fundamental drafting, geometric constructions, orthographic (multi-view) drawings, ANSI standards, and residential design and site work. Students will learn to transition from 2D drafting to 3D modeling. This course will utilize the most current computer-aided design (CAD) and 3D modeling software available. **Related Careers:** Architect, Engineer, Interior Designer

Construction Trades I & II (DOE 5580/5578) Construction students gain familiarity with all aspects of building of a single-family residence. Through classroom instruction and laboratory experience, students acquire hands-on training in estimating, layout, footing and foundation, platform construction, framing, roofing, sidings, insulation, exterior finish, window and door installation, and stair building. Students also learn to construct brick and block walls; identify and mix mortar; mix and finish concrete. During each school year, students construct one home in Prosser's *Builders' Ridge* subdivision to be sold on the open real estate market. **Related Careers:** Frame/Trim Carpenter, Mason/Bricklayer, Construction Cost Estimator

Heavy Equipment Operator I & II (DOE 5497/5495) Heavy Equipment students are trained to operate and/or maintain heavy equipment. Students learn how to maneuver and operate heavy equipment on computerized simulators as well as on actual backhoes, skid-steers, excavators and bulldozers. In addition, students learn to operate rollers, tractors, earthmovers, extended-hoes, graders, dump trucks, and rubber-tired loaders. Curriculum includes knowledge of safety and preventative maintenance, surveying, road construction, and basic earthwork construction. **Related Careers:** Heavy Equipment Operator, Excavation Specialist, Home-site Specialist

Electrical/Industrial Repair & Maintenance (DOE 4830/4832 or 5686) Electricity students learn basic electrical theory, residential, commercial and industrial wiring. An in-depth study of the National Electrical Code is a primary focus as students wire the residential homes in *Builders' Ridge*, Prosser's subdivision. Industrial automation, including robotics, programmable logic controllers, and mechatronics provide students with the high-demand training for industrial maintenance, installation and repair work. Included in the second year of study is motors, rotating machines, and electrical motor controls and basic aspects of green energy, including photo-voltaic (solar) and wind turbines. **Related Careers:** Electrician, Mechatronic Tech and Electrical Engineer

Heating, Ventilation, Air-Conditioning I & II (DOE 5496/5498) HVAC students learn all aspects of the fundamentals of residential and commercial HVAC. Curriculum will focus on the skills and knowledge required for trouble-shooting, repairing and maintaining heating and air-conditioning units. Additional topics include tool and meter use, temperature measurement, heat flow, the combustion process, and pipe installation practices. Students will install the HVAC units and ductwork in the residential homes in *Builders' Ridge*, Prosser's subdivision. **Related Careers:** Residential/Commercial Technician, Technical Service & Pipefitter

Arts/AV Technology & Communications Programs

***Interactive Media (DOE 5232)** Interactive media students study the creation of digitally generated or enhanced projects using the most current industry based software available. Students will learn to manipulate text, photos, graphics, animations, sound and video into creative projects. Studies also include professional business practices, the importance of ethics, communication skills, teamwork and making deadlines. In addition, curriculum explores the role of contemporary marketing and design in the entertainment industry. **Related Careers:** Audio & Video Producer, Animator, Photographer

Business and Marketing Programs

Entrepreneurship and New Ventures (DOE 5914 & 5918) Entrepreneurship students will study curriculum that focuses on the roles and responsibilities of managers as well as opportunities and challenges of ethically managing a business in the free enterprise system. A special focus will be placed upon the entrepreneurship skills and tools critical for starting and succeeding in a new business venture. Topics of government and legal restrictions, franchising, sales and revenue forecasting, business accounting, start-up funding, and business plan development will also be covered. **Related Careers:** Accountant, Sales Representative, Business Manager/owner

****Strategic Marketing & Merchandising (DOE 5974)** Seniors only. This specialized business course will provide students an opportunity to learn and apply business theories and concepts in an actual workplace environment. Students will be employed in a lengthy internship at UPS. **Related Careers:** Sales Representative, Business Manager, Business owner, Human Resources

Health and Human Services

Cosmetology I & II (DOE 5802/5806) Cosmetology students learn curriculum related to bacteriology, anatomy, hygiene, and sanitation, as well as, small business (salon) management, record keeping, and customer relations. Students' practical experiences will be conducted in a lab setting as well as in the Prosser School of Cosmetology full-service salon. Cosmetology students accumulate the required 1500 clinical hours over the two-year period to be eligible to test for the Indiana Cosmetology License. **Related Careers:** Cosmetologist, Nail Technician, Make-up Artist

Culinary Arts and Hospitality/Advanced Culinary Arts (DOE 5440/5346) Culinary Arts students will successfully complete three the basic disciplines of baking, food and beverage, and culinary. Instruction includes sanitation and safety requirements for food preparation; maintenance and operation of culinary tools and equipment; recipe reading and measurement. In addition to classroom instruction, students' practical experiences will be conducted in a lab setting as well as in the Prosser Café and through participation in Prosser's Culinary catering service. **Related Careers:** Chef, Caterer, Food Manager

Health Science Education I & II (DOE 5282/5284) Health Science students study the skills common to specific health-career topics and study medical terminology, basic anatomy/physiology, disease processes, infection control, and components for wellness and healthy lifestyle. In addition, students study the role of the healthcare worker, effective communication skills, and the legal and ethical standards within the health care industry. Second-year students will be placed in an actual clinical setting where they are prepared for the Certified Nursing Assistant (CNA) certification or work toward a Central Service Technician certificate that focuses on Surgical Instrumentation. Students participate in a variety of other experiences such as nursing, lab testing, obstetrics, imaging, physical therapy, surgery, medical offices or extended care. **Related Careers:** Nurse, Medical Assistant, X-Ray Technician

****Introduction to Pharmacy (DOE 5214)** Pharmacy students will attend their home school for a full schedule of classes and attend Prosser's pharmacy class two days a week from 3:45 p.m. – 6:00 p.m. until Nov. 1st and then one class a week in addition to 10 internship hours in a pharmacy. Students study an introduction to health care systems, basic medical and pharmaceutical terminology, body systems, pharmaceutical dispensation, drug conversions, legal and ethical responsibilities, the role of the pharmacist/technician, pharmaceutical industry trends. Students who are 18 by November 1st will get preferential enrollment acceptance. **Related Careers:** Pharmacist, Pharmacy Technician, Pre-Med

Dental Careers I & II (DOE5203/5204) This program will prepare students for an entry level dental assisting position. Dental Assistants have one of the most diverse & interesting of all positions in a dental office. Curriculum will include instruction in chair-side assisting, equipment/instrument identification, tray set-ups, sterilization, disease control, histology, tooth morphology, and dental charting. Simulated in-school laboratories and an internship at an actual dental office are included. **Related Careers:** Dentist, Dental Hygienist and Orthodontist

Information Technology Programs

Networking I & II (DOE 5234/4588 or 5253) Networking students will learn how to assemble and configure computers, install operating systems and software, and troubleshoot hardware and software problems. Students will also learn all aspects of network support including the fundamental concepts of local, wide area, and home networks. The Network Systems curriculum is aligned with CompTIA A+, CompTIA Network+, and Cisco CCNA. ***Related Careers:*** Information Systems Management, Computer Installation & Maintenance, Computer Systems Analysis

Computer Programming/Databases (DOE 4801/5250) Students will learn computer programming concepts needed to implement and maintain software applications that people use every day with their computers, mobile devices and game consoles. Students learn multiple programming languages, providing a broad background. Discussion will also include databases administration and data maintenance. Students will be introduced to data concepts such as data warehousing, data mining and BIG data. ***Related Careers:*** Computer Programmer, Informatics Specialist, Database Administrator, Web Developer

Public Safety Programs

Criminal Justice I & II (DOE 5822/5824) Criminal Justice students will study the basic fundamentals of law enforcement and the criminal justice system. The Criminal Justice curriculum is based on the standards and content provided by official law enforcement academies. Students will learn criminal law, traffic control, and how to conduct effective criminal investigations. Students will also learn personal safety and defense tactics and participate in weekly physical training. ***Related Careers:*** Police Officer, Probation Officer, Conservation Officer

Fire and Rescue I/ Fire and Rescue II (5820/5826) Fire and Rescue students will focus on all aspects of Fire Science in the first year curriculum. This will include Firefighter safety and health, fire control and behavior, rescue equipment, and hazardous materials. Second year curriculum will include pre-hospital care, medication identification, and ambulance operations. Students completing the second year curriculum will be prepared to test for a Basic Emergency Medical Technician (EMT) certification. ***Related Careers:*** Firefighter, EMT, Paramedic

Manufacturing Programs

Precision Machining I & II (DOE 5782/5784) Precision machine students learn to shape & form metal using the most current tool & die equipment available. Hands-on training will be on some of the most technologically advanced equipment found in industry, including CNC(computer numerical control) lathes, CNC mills, EDM (electrical discharge machining) wire machines, CMM (coordinate measuring machine), CAD/CAM (computer-aided design/computer-aided machining) computers, robots, lathes, mills, surface grinders, drill presses, and saws. ***Related Careers:*** Machinist, Tool & Die Maker, CNC Programmer

Welding Technology I & II (DOE 5776/5778) Welding Technology students learn to fabricate and weld metal, using shielded metal arc, oxy fuel, MIG, TIG, and plasma arc techniques and procedures. In addition, students study the properties of metals, safety, blueprint reading, electrical principles, welding symbols, and mechanical drawings. The principles of metallurgy, gases, and material science are integral to this course. This program includes classroom and lab experiences that lead students to AWS Certifications. ***Related Careers:*** Pipe Fitter, Iron Worker, Steel Fabricator

Transportation Programs

Aviation Operations I/Aviation Flight I (DOE 5528/5524) Aviation students will receive a broad-based introduction to the field of aviation. Course activities include: familiarization with aviation technology; a historic overview of the field of aviation; exploration of the current aviation environment and careers and employment opportunities in the field. Topics are focused on aircraft manufacturing, airline operations, general aviation, air-freight, airport management, and government service. 2nd year students will experience actual flight time arranged so that a full schedule at their homeschool is possible. ***Related Careers:*** Pilot, Air-Traffic Controller, Grounds Crew

Automotive Collision Repair I & II (DOE 5514/5544) Auto Collision students train in many phases of the collision repair process: cost estimating, frame and body damage analysis, structural and uni-body three-dimensional measuring, metal straightening, MIG welding, computerized frame diagnosis, computerized color mixing, computerized estimating of repair costs, panel and parts replacement. Students also learn auto-electrical systems, air-conditioning and air-bag systems. In addition to completing classroom instruction, students' practical experiences will be conducted in Prosser's fully-operational auto collision business. ***Related Careers:*** Collision Repair Technician, Insurance Estimator/Appraiser, Automotive Refinish Tech

Automotive Services Technology I & II (DOE 5510/5546) Automotive Services Technology students learn industry theory and experience hands-on instruction in repairing vehicles using the latest diagnostic and repair equipment in the automotive industry. Topics covered include steering and suspension braking systems, manual transmissions, differentials, automatic transmissions, air conditioning, electrical systems and engine performance. In addition to completing classroom instruction, students' practical experiences will be conducted in Prosser's fully-operational automotive services business. ***Related Careers:*** Auto Service Technician, Service Writer, Insurance Adjuster

Diesel Service Technology I & II (DOE 5620/5624) Diesel Service Technology students experience all phases of repair work on diesel engines and heavy equipment. Classroom and lab activities utilize state-of-the-art diagnostic equipment and tools to repair and troubleshoot all aspects of diesel operation, service and maintenance. Students also practice with the use of technical manuals, hand and power tools, and testing and diagnostic equipment.

Instruction in personal and environmental safety practices as related to OSHA and other agencies that affect industry working in the ground transportation technical areas are also covered. **Related Careers:** Diesel Maintenance Technician, Hydraulics Repair Technician, Service Writer

Course Offerings (2019-2020)

1000 Agriculture		
1010	Agriculture, Food, and Natural Resources	9-12
1020	Agribusiness Management*	10-12
1025	Plant & Soil Science*	10-12
	Food Science *	10-12
	Horticultural Science *	10-12
	Animal Science *	10-12

1100 Business		
1110	Introduction to Business*	9-10
1114	Preparing for College and Careers	9
1120	Digital Applications & Responsibility , ITCC	10-12
	Web Design	10-12
1124	Computer Programming, Honors ITCC	11-12
1137	Intro To Computer Science*	9-12
1140	Entrepreneurship & New Ventures* ITCC	11-12
1145	Business Law & Ethics* ITCC	11-12
1160	Accounting I	10-12
1165	Adv Accounting	11-12
1155	Personal Financial Responsibility	10-12
1190	Principles of Marketing*	11-12
2160	Career Exploration Internship	12

1200 English		
1215	English 9 CP	9
1250	English 9, Honors	9
1225	English 10 CP	10
1251	English 10, Honors	10
1235	English 11, CP	11
1255	English 11 Honors	11
7250	English 11 AP Language and Composition	11
1245	English 12, CP	12
1257	English 12, Honors	12
1260	Advanced Speech & Communication *	12
1263	Speech *	10-12
1270	Journalism I	9-12
1295	Etymology*	10-12
	Creative Writing *	
	Biblical Literature *	

1300 Family/Consumer Science		
1320		9-12
1325		9-12
1340		10-12
1310		10-12
1350		10-12
1345		10-12
1355		11-12

1400 Fine Arts		
1410	Intro Two-Dimensional Art 1A*	9-12
1415	Adv. Two-Dimensional Art 1B*	9-12
1420	Adv. Two-Dimensional Art 2A*	9-12
1425	Adv. Two-Dimensional Art 2B*	10-12
1430	Adv. Two-Dimensional Art 3A*	10-12
1435	Adv. Two-Dimensional Art 3B*	11-12
1440	Adv. Two-Dimensional Art , Honors 4A*	11-12
1445	Adv. Two-Dimensional Art , Honors 4B*	12

1500 Foreign Language		
1510	French I	9-12
1520	French II	10-12
1530	French III, VU	11-12
1540	French IV, VU	11-12
1550	French V, Honors	12
1515	Spanish I	9-12
1525	Spanish II	9-12
1535	Spanish III, ITCC	10-12
1545	Spanish IV, ITCC	11-12
1556	Spanish V Honors	12

1600 Health/Physical Education		
1610	Physical Education I and II	9
1620	Health Education*	10
1630	Elective PE (Wellness)*	10-12

1800 Mathematics		
1826	Algebra Lab I	9-12
1830	Algebra I	9-12
1899	Math 10	
1840	Geometry	9-12
1845	Geometry Honors	9-12
1850	Algebra II	10-12
1855	Algebra II Honors	10-12
1862	Pre-Calculus ITCC	11-12
1871	Finite Mathematics ITCC	11-12
	CCR Math Ready	11-12
1865	Calculus, ITCC	12

1900 Science		
1930	Biology I	9-12
1935	Biology I, Honors	9-12
1940	Bio II H: Anatomy & Physiology, ITCC	10-12
1925	Integrated Chemistry and Physics	10-12
1946	Earth Space Science	11-12
1960	Chemistry I	11-12
1965	Advanced Chemistry Inorganic and Organic, ITCC	12
1970	AP Physics, ITCC	12
1050	Advanced Life Science, Animals	11-12

2000 Social Studies		
2010	Geography/History of the World	9-12
2015	Geography/History of World Honors	9-12
2020	World History/ Civ	9-12
2025	World History/Civ, Honors	9-12
2030	U.S. History	11

1450	Advanced Chorus	9-12
1460	Advanced Concert Band	9-12
1470	Music History and Appreciation*	9-12
1475	Electronic Music*	9-12
1480	Musical Theatre*	9-12
1485	Advanced Musical Theatre	9-12
	Adv Chorus, Honors	11-12
2200	Resource Classes	
2250	Life Skills	9-12
	Adult Roles & Responsibilities	9-12
	Develop Reading	
	Pers Financial Responsibility	

2035	U.S. History, Honors	11
2040	Government*	12
2042	Government Honors*, ITCC	12
2047	Economics Honors*, ITCC	12
2045	Economics*	12
2050	Sociology*	11-12
2051	Sociology/ Issues Honors	11-12
	Current Problems, Issues, & Events*	10-12
2060	Psychology*	11-12
2065	AP Psychology, ITCC	11-12
	Topics in US History	10-12
2100	Miscellaneous	
2130	Learning Center*	9-12

* = one semester course

Multidisciplinary		
2145	Humanities * (Latin American Studies)	9-12

PROSSER	
5501	Automotive Services
5505	Aviation Operations/Aviation Flight
5507	Automotive Collision Repair Technology
5521	Heavy Equipment Operator
5516	Culinary Arts & Hospitality
5517	Diesel Services Technology
5518	Architectural Drafting and Design
5519	Electrical/ Industrial Repair & Maintenance
5522	Heating, Ventilation, Air Conditioning and Refrigeration
5523	Horticulture Science
5574	Landscape Management
5526	Interactive Media
5511	Networking I & II
5513	Programming Databases
5529	Health Science Education
5542	Business & Marketing – Work Based Learning (gr 12)
5524	Precision Machining
5532	Welding Technology
5681	Cosmetology
5590	Construction Trades
5534	Criminal Justice
5538	Fire & Rescue
5537	Entrepreneurship and New Ventures
5515	Dental Careers