

Jeffersonville High School

2021-2022

COURSE DESCRIPTION GUIDE

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PORTRAIT OF A GCCS GRADUATE

Pathways to Success

Students enrolled in Greater Clark County Schools receive a foundation of PRIDE® and work ethic skills on which to build academic achievement and career/experiential learning.



Learn that strong work ethic skills are essential for success

ACQUIRE

Maximize education to best prepare for college and careers

ACHIEVE

Apply work ethic skills and academic achievement to college and career exploration

ASPIRE



PORTRAIT OF A GCCS GRADUATE

Pathways to Success

Students enrolled in Greater Clark County Schools receive a foundation of PRIDE® and work ethic skills on which to build academic achievement and career/experiential learning.

ACQUIRE



GCCS graduates learn that strong work ethic skills are essential for success.

The GCCS PRIDE® program builds students of strong character who strengthen the community.

- Persistence
- Respectfulness
- Initiative
- Dependability
- Efficiency

Work Ethic Certificates are earned and recognized by area employers.

- PRIDE® Skills
- 98% attendance and models positive behavior
- Meet community service and graduation requirements

GCCS graduates take ownership of their career path.

- Self-aware
- Drug-free
- Take initiative
- Well-rounded
- 21st Century Skills: Critical Thinkers, Creative, Communicators, Collaborators

ACHIEVE



GCCS graduates maximize education to best prepare them for college and careers.

Their education provides:

- Innovative academic pathways
- Proficiency with skills unique to the academy and pathway of their choice
- Transferable skills applicable to all careers
- Exposure to the use of technology as both a learning tool and a skill-set
- Effective communication training and the merits of personal responsibility
- Preparation to perform well on metrics of measurement, i.e. ACT, SAT and WorkKeys assessments
- Instruction focused on attainment of strong literacy and numeracy skills
- College credits and/or certifications within the academy learning model

ASPIRE



GCCS graduates apply work ethic skills and academic achievement to college and career exploration.

Each will:

- Understand the applicability of today's classroom learning into tomorrow's workplace through:
 - Academy Fairs
 - Job Expos
 - Job Shadowing
 - Internships
- Capitalize on resources such as College & Career Centers and Academic Guidance
- Connect with business mentors within areas of interest
- Present capstone project directly tied to business applications
- Focus on culturally-aware and globally-minded learning
- Develop a career pathway that aligns with interests



Dear Parents and Students:

This Academies of Greater Clark-Jeffersonville High School Course Description Guide is a valuable tool for assisting families with appropriate course selections for the 2020-2021 school year. It is important that you stay informed regarding the requirements for graduation from Jeffersonville High School. Every student must earn a Core 40 diploma and pass the required State Graduation Exams **OR** complete one of the Indiana Graduation Pathways to receive a diploma. Indiana now offers alternative pathways that a student can complete to meet graduation requirements. These include Employability Skills, Project-Based Learning, Service-Based Learning, Work-Based Learning and Postsecondary-Ready Competency.

We encourage students to earn a Technical Honors and/or the Academic Honors Diploma with the Core 40 diploma. Specific diploma requirements and course sequences are in this guide. Our guidance staff will work with all students to ensure proper course selections.

All students are part of one of five career academies each with a focused plan of curriculum. Creating these smaller school environments within our large school offers tremendous opportunities for all students. Families are encouraged to discuss career aspirations and goals before selecting courses. Students should select courses that are of interest and meet their educational goals. It is important to select courses carefully because schedule changes are held to an absolute minimum once the master schedule is finalized.

We encourage parents and students to work together in choosing a career pathway and course of study. Collaboration among parents, students, teachers, and counselors will help provide the support students need in their journey to reach personal potential.

We look forward to working with you during this important time.

Sincerely,

Jeffersonville High School Administration

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Notice:

It is the policy of Greater Clark County Schools to maintain and operate a learning environment free from discrimination and harassment on the basis of gender, age, race, disability, family status, national origin, or religion. No person is excluded from participation in, denied the benefits of, or otherwise subjected to unlawful discrimination on such basis under any educational or student activity.



THE Academies of Greater Clark

ACQUIRE • ACHIEVE • ASPIRE

WHAT ARE THE ACADEMIES OF GREATER CLARK?

In our rapidly changing 21st century world, students need to be more prepared than ever in order to be successful after high school. Recognizing this, Greater Clark County Schools embarked on a partnership with Ford Next Generation Learning to establish The Academies of Greater Clark to ensure all of our students are college and career ready. The academy model will provide small learning communities of students and teachers, organized around labor market demand, that will enable students to explore areas of interest; find their passion; and develop their critical thinking, creativity, communication and collaboration skills.

FRESHMAN ACADEMY

Freshman Academy is for 9th grade students who will spend time discovering career opportunities and their own unique interests before choosing a home academy for their sophomore through senior years. The Freshman Academy will provide additional time to explore courses offered by the four academies.

BUSINESS & ENTREPRENEURSHIP ACADEMY

Business & Entrepreneurship Academy offers students industry relevant experiences that will allow students creative platforms to produce ideas and products that propel the growth of local, state, national and global economy.

Career Pathways:

- *Finance and Accounting*
- *Information Technology*
- *Business and Non-Profit Management*
- *Communication and Marketing (Radio/TV-Journalism)*

Health Services Academy provides students with the knowledge and skills to pursue this high demand industry.

Career Pathways:

- *Patient Care*
- *Dental Services*
- *Pharmacy*
- *Bio-Medical Science (Project Lead the Way)*

ENGINEERING & ADVANCED MANUFACTURING ACADEMY

Engineering & Advanced Manufacturing Academy is a high tech, high skill, high demand area that will help students generate their own jobs and opportunities.

Career Pathways:

- *Engineering (Project Lead the Way)*
- *Advanced Manufacturing (Conexus)*
- *Logistics Management (Supply Chain)*
- *Building and Skilled Trades*

PUBLIC SERVICE ACADEMY

Public Service Academy gives students the ability to apply their course work across an array of academic disciplines. Courses benefit both the community and students while encouraging students to serve others.

Career Pathways:

- *Law and Public Safety (Lawyer, Police, Fire/EMT, Military)*
- *Education*
- *Hospitality and Agricultural Science*
- *Civic Arts (Visual and Performing)*

HOW WILL THE ACADEMIES WORK?

In 9th grade, students will enter the Freshman Academy, which will provide the necessary skills to transition to high school and provide additional time to explore career interests and opportunities. Students will then select an academy for their sophomore through senior years. Students will take required courses in their academy for the majority of their school day, and will still be able to take courses in other areas of interest.

CAN STUDENTS CHANGE ACADEMIES?

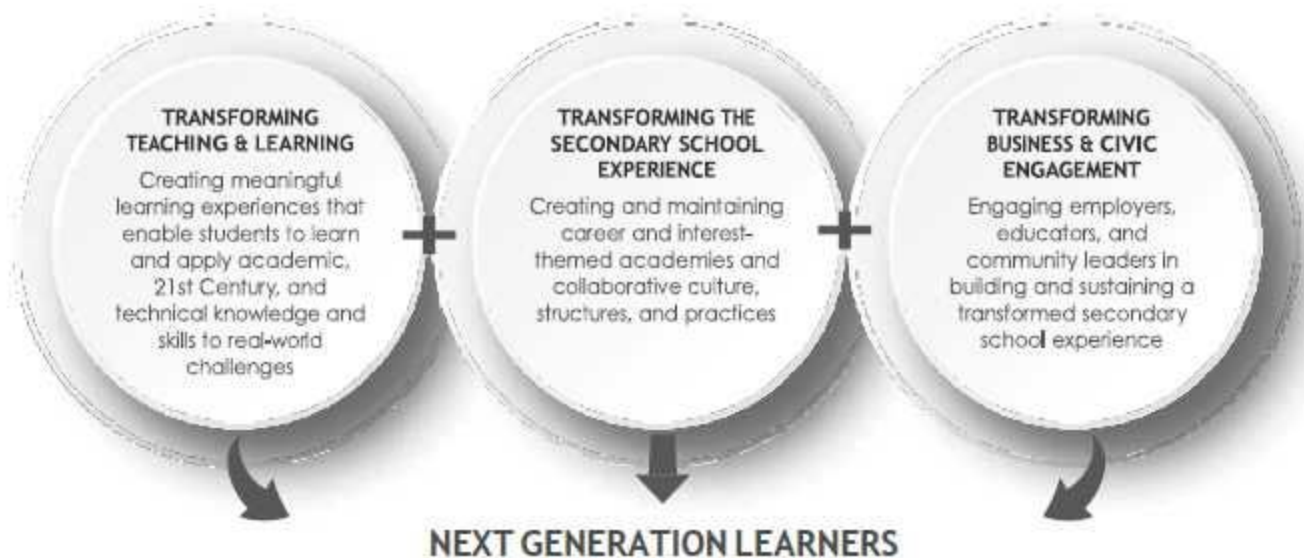
Our goal is not to have students feel "stuck." Students who believe they are in the wrong academy or find out that their passion lies in another academy will have the opportunity to move to another academy once during their high school career.

WHAT IS FORD NEXT GENERATION LEARNING?

Ford NGL is the philanthropic non-profit arm of Ford Motor Company, which has helped many districts over the past 20 years to successfully transform their high schools. Ford NGL will help us learn from others' experiences and give us access to many resources, including: seminars, workshops and staff development; a proven planning process; and professional development opportunities. We are joining a collaborative network of districts all seeking to make the delivery of high school education more relevant, impactful and successful. We are fortunate to have been selected to become one of their partners, and their support will be funded primarily through business and organization sponsorships.

WHAT IS THE FORD NEXT GENERATION LEARNING FRAMEWORK?

Ford NGL mobilizes educators, employers, and community leaders to prepare a new generation of young people who will graduate from high school ready for college, careers, and life - prepared to compete successfully in the 21st century economy. Three distinct but interconnected strands comprise the Ford NGL Framework, which enables whole communities to design and carry out a long-term plan for revitalizing education.



INDIANA CAREER EXPLORER (INCE) PLANNING TOOL

<https://indiana.kuder.com/landing-page>

Indiana Career Explorer is a college and career readiness platform that helps connect academic achievement to post-secondary goals. We are pleased to introduce INCE to you and your family. *INCE* is a comprehensive website that you can use to help in making plans about courses, college, scholarships and careers. INCE is supported by the Indiana Dept. of Workforce Development and can be used by students, adults and parents.

INCE will allow you to:

- Indiana Career Explorer will help you explore a world of career possibilities, make decisions about your future, and prepare for the next step in your education and career planning journey.
- Today's job candidates require the right tools and information to secure a satisfying career and achieve success in the workforce. Indiana Career Explorer offers an effective solution to help you plan for a career, make a career change, and keep your career on track!
- Parents are the #1 influence on their child's education and career choices. Indiana Career Explorer supports parents in this critical role by allowing you to get directly involved in your child's education and career planning.

INTERNSHIPS

Internships are paid work-based learning activities in which students engage in learning through practical and relevant experiences at various internship sites to prepare students for college and career. This strategy builds students' skills and knowledge in their chosen career path or furthers their study within the area of interest. Internships are targeted to the students' meaningful future plans and allow students to explore careers that require additional degrees, certification, or on-the-job training following high school.

Model internships are planned, structured, and evaluated by the intern, college and career coordinator, workplace mentor, and parents/guardians. Effective internships provide interns with the opportunities to develop an understanding of the career area duties and responsibilities, terminology, climate, protocol, and other information that will enable interns to analyze and revise their meaningful future plans. Internships require a student to complete two consecutive career or technical courses in their interest area, maintain a high academic standards and attendance standards.

Graduation Requirements – Courses/Credits

The following pages review the courses/credits required to achieve a High School Diploma in the state of Indiana and for Greater Clark County Schools. Your school counselor will review these requirements with you multiple times during your time as a student here. Please pay close attention to the charts and make sure you are meeting your requirements.

Diploma Requirements



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

Course and Credit Requirements	
English/ Language Arts	8 credits Including a balance of literature, composition and speech.
Mathematics	6 credits (in grades 9-12) 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II <small>Or complete Integrated Math I, II, and III for 6 credits. Students must take a math course or quantitative reasoning course each year in high school.</small>
Science	6 credits 2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
Social Studies	6 credits 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics 2 credits: World History/Civilization or Geography/History of the World
Directed Electives	5 credits World Languages Fine Arts Career and Technical Education
Physical Education	2 credits
Health and Wellness	1 credit
Electives*	6 credits <small>(College and Career Pathway courses recommended)</small>
40 Total State Credits Required	

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

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

**SAT scores updated September, 2017

***WorkKeys assessment titles updated, 2018

CORE40 with Academic Honors (minimum 47 credits)

For the Core 40 with Academic Honors designation, students must:

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following:
 - A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
 - B. Earn 6 verifiable transcribed college credits in dual credit courses from the approved dual credit list.
 - C. Earn two of the following:
 1. A minimum of 3 verifiable transcribed college credits from the approved dual credit list,
 2. 2 credits in AP courses and corresponding AP exams,
 3. 2 credits in IB standard level courses and corresponding IB exams.
 - D. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section.**
 - E. Earn an ACT composite score of 26 or higher and complete written section
 - F. Earn 4 credits in IB courses and take corresponding IB exams.

CORE40 with Technical Honors (minimum 47 credits)

For the Core 40 with Technical Honors designation, students must:

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

Indiana Graduation Pathways Requirements
(Available to all current students but required for Class of 2023)

To account for the rapidly changing, global economy, every K-12 student needs to be given the tools to succeed in some form of quality postsecondary education and training, including an industry recognized certificate program, an associate’s degree program, or a bachelor’s degree program.

Students in the graduating class of 2023 must satisfy all three of the following Graduation Pathway Requirements by completing one of the associated Pathway Options:

Graduation Requirements	Graduation Pathway Options
1) High School Diploma	Meet the statutorily defined diploma credit and curricular requirements
2) Learn and Demonstrate Employability Skills 1 (Students must complete at least one of the following.)	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by one the following: <ul style="list-style-type: none"> • Project-Based Learning Experience; OR • Service-Based Learning Experience; OR • Work-Based Learning Experience.
3) Postsecondary-Ready Competencies ³ (Students must complete at least one of the following.)	<ul style="list-style-type: none"> • Honors Diploma: Fulfill all requirements of either the Academic or Technical Honors diploma; OR • ACT: College-ready benchmarks; OR • SAT: College-ready benchmarks; OR • ASVAB: Earn at least a minimum AFQT score to qualify for placement into one of the branches of the US military; OR • State- and Industry-recognized Credential or Certification; OR • Federally-recognized Apprenticeship; OR • Career-Technical Education Concentrator⁴: Must earn a C average in at least two non-duplicative advanced courses (courses beyond an introductory course) within a particular program or program of study; OR • AP/IB/Dual Credit/Cambridge International courses⁵ or CLEP Exams: Must earn a C average or higher in at least three courses; OR • Locally created pathway that meets the framework from and earns the approval of the State Board of Education.

State and National Testing

All tenth grade students will participate in the Preliminary Scholastic Aptitude Test (**PSAT**) and all eleventh grade students will participate in the Scholastic Aptitude Test (**SAT**) as well as have the option to take the Armed Services Vocational Aptitude Battery (**ASVAB**). The ACT and SAT will also be offered at other locations for a fee. Students will need to see their counselor for more information regarding testing.

Advanced Placement

Students who choose to participate in the Advanced Placement courses must take the AP examination in order to earn transcribed AP credit. If students do not take the AP examinations, the transcript will reflect Honors credit. College Board Testing offers these examinations. If students score well on these tests, universities may offer them advanced placement in upper-class courses and/or grant them semester hours (credits) for those tests passed with specified scores.

Jeffersonville High School's Advanced Placement (AP) Courses

AP Biology II	AP Music Theory
AP Calculus AB	AP Physics I
AP Calculus BC	AP Statistics
AP Economics	AP Psychology
AP Environmental Science	AP Studio Art
AP Language and Composition	AP United States Government
AP Literature and Composition	AP United States History

Indiana College Core Certificate/ College Certificate/Associate's Degree

JHS has entered into a Dual Credit agreement with Ivy Tech to provide the opportunity for our students to earn college credits in specific disciplines to qualify for either an Indiana College Core Certificate (ICC) and/or an Associate's Degree in General Studies (AGS) from Ivy Tech. Students can earn credits toward the associate's degree at Ivy Tech from dual credit earned through Ivy Tech and IUS/ACP. Additionally, if a student received the minimum score of 3 on a qualifying AP exam, this test score will also allow credit to be issued toward the AGS/ICC if included on the IDOE AP Crosswalk. See following pages for checklists for the Associates Degree and the Indiana College Core Certificate. Your student's counselor and Ivy Tech dual credit staff can determine whether or not your student is eligible for the ICC and Associate's Degree.

****DUE TO NEW LEGISLATION AND CHANGES IN TEACHER CREDENTIALING AT THE COLLEGE LEVEL, STUDENTS WISHING TO PURSUE THE IVY TECH CERTIFICATE/AGS, WILL BE REQUIRED TO TAKE MULTIPLE CLASSES ON IVY TECH'S CAMPUS. See counseling office for current requirements.**

Jeffersonville High School Dual Credit Courses

Planned Offerings for 21-22

Ivy Tech Community College

Students may receive dual credit from Ivy Tech. These courses are provided free of charge to students. In order to receive dual credit from Ivy Tech, students will need to meet testing criteria through Nexgen, SAT, ACT and PSAT. Additionally students must complete a dual credit online application to Ivy Tech receive dual credit (social security number is required to apply for dual credit at Ivy Tech). Once a student completes the Ivy Tech dual credit online application, he/she is eligible for all dual credits which he/she qualifies.

Ivy Tech Dual Credit Classes

AP Calculus AB	French IV
AP Calculus BC	PLTW Civil Engineering/Architecture
AP English Language	PLTW Introduction to Engineering Design
AP English Literature	PLTW Principles of Engineering
AP Government	Pre-Calculus Honors
AP US History	Radio and TV II
Economics Honors	Adv Speech
English 12 Honors	Spanish III
Finite Honors	Spanish IV
French III	Welding I/II

Indiana University's Advanced College Project (ACP)

Students in Indiana University ACP Program will earn credit from Indiana University at the low cost of \$25/credit hour. Below are current offerings with the ACP program:

JHS Course	Credit Hours	Cost
Chemistry Honors	5	\$125
Advanced Speech	3	\$75 (plus online textbook fee of \$45)
German III	4	\$100
German IV	6	\$150
AP Biology	5	\$125

**Students who are on free/reduced lunch will have fees waived for ACP courses. Course prices are set by IU and are subject to change. Courses are available based on staffing for the 2021-22 school year.

**Courses offered for Ivy Tech and IU ACP Dual Credit are based on teacher qualifications and staffing.
These offerings are subject to change.**

GRADING SCALE

A = 90-100; B = 80-89; C = 70-79; D = 60-69; F = 0-59

GPA & WEIGHTED GRADES

Advanced Placement and Honors courses are considered “weighted” courses. The weight is not scaled to a grade for the course but is simply added to the final grade provided the student has earned credit for the course. If a student is in a combined Honors and Advanced Placement course, the weight will be applied to the course title under which the student enrolled. Advanced Placement credit will be awarded only if the student sits for the AP test in the applicable course.

Weighted factor: All Honors courses +1.0

All AP/ACP courses +2.0

Calculation: At the end of the semester, the final grade calculation will be made by the student management system.

RE-TAKING A COURSE

Jeffersonville High School recognizes that there may be times when it is in the best interest of a student to retake a specific course. The guidelines for re-taking a course are as follows:

- Only a course with a grade below a “C” can be repeated.
- Additional credit for re-taking the class will not be given.
- Both grades will be on the transcript and will be counted when calculating the student’s grade point average.

STUDENT ATHLETE ELIGIBILITY REQUIREMENT

NCAA

For students entering a NCAA Division I school the number of required full-year core courses is 16 (32 credits). The 16 units (32 credits) must include 4 years of English, 3 years of math (Algebra I or higher), 2 years of natural/physical science, 1 year of additional English, math or science, 2 years of social science, and 4 years of additional courses from any of the above areas or from foreign language, philosophy or comparative religion. Other requirements include minimum SAT Reasoning and ACT test scores that are determined by the student's cumulative GPA in core classes.

For students entering an NCAA Division I college or university on or after August 1, 2016 will need to meet new academic rules in order to receive athletics aid (scholarship), practice or compete their first year. This includes 10 of the 16 core courses must be complete before the seventh semester (senior year) of high school. 7 of those 10 courses must be in English, Math or Science. Minimum course GPA is 2.30. Prospective student-athletes should register with the eligibility center by their **junior year** of high school. Specific information about eligibility for all NCAA divisions can be found on the NCAA Eligibility Center website at www.ncaaeligibilitycenter.org. Information on recruiting and eligibility can also be found on the NCAA website.

Athletes must be aware that PLATO online courses for core areas will not be accepted through the NCAA Eligibility Center to participate at the collegiate level.

NAIA

For students entering an NAIA school they must meet two of the three following requirements.

1. Achieve a minimum of 18 on the ACT or 860 on the SAT.
2. Achieve a minimum overall high school GPA of 2.0 on a 4.0 scale.
3. Graduate in the top half of your high school classes.

Register with the NAIA Eligibility Center at www.PlayNAIA.org.

ALTERNATIVE PHYSICAL EDUCATION CREDIT (ASPE)

Greater Clark County Schools' students may earn physical education credit through an alternative supervised program (ASPE) during the fall, winter or spring sessions. ASPE does not count toward minimum course load requirements and IHSAA eligibility.

1. ASPE has been approved only for the following activities:
 - a. All IHSAA School Sponsored sports
 - b. Cheerleading
 - c. Marching Band*, Winter Guard, Dance Team, STEP Team
 - d. ROTC – One credit per school year of participation
- The application for ASPE is available from counselors or on the GCCS website. The application must be completed and signed by the student, parent, counselor, and coach/instructor.
 - Students may earn a maximum of TWO (2) credits for ASPE (Physical Education II)
 - Students must apply for each credit. Students will be limited to one (1) credit per sport season. Credit will be issued at the end of the semester.
 - To receive one (1) credit, the student must participate in sixty (60) hours of direct instruction and **complete the entire sports season and finish the season in good standing.**
 - The total sixty (60) hours and application must be completed and submitted to the guidance counselor by the due dates established at the school.
 - All students who complete the sixty (60) hours of direct instruction and complete the application process will receive an A for the physical education course and the grade will be issued by a licensed Physical Education teacher.
 - Failure to provide the proper documentation, failure to meet the indicated deadlines, or participation in an activity/sport different from what was approved will result in no credit being issued.

SCHEDULE CHANGE/COURSE WITHDRAWAL POLICY

A request for a student schedule change MUST occur within the first two (2) weeks of the course. After that time, any changes, other than programmatic changes, will result in the grade of **F** in the dropped course. Programmatic changes result when a teacher recommends that a student be moved to another level or class. In general, schedule change requests will only be granted for valid educational reasons (i.e., senior needing a course for graduation, scheduled into a course for which credit has already been granted, etc.). A “Withdrawal Failure (WF)” grade will be used for any student whose program is changed by a teacher or administrator from a traditional course of study to an alternative course of study.

Online Courses

Jeffersonville High School has a selection of online courses in which students can enroll for the following purposes:

- (1) The student needs to recover a credit
- (2) the student would like take a course not currently offered at Charlestown
- (3) The student needs a core and/or elective class that cannot fit into his regular schedule. Students must see the counselor in order to enroll in any online course.

EARLY GRADUATION PROCEDURE

It is the belief of Greater Clark County Schools that the majority of students benefit by completing eight semesters of high school. However, a student may graduate in fewer than eight semesters under the following guidelines:

Students may graduate **after 7 semesters** if:

- They are unlikely to graduate if forced to complete an 8th semester, or
- They demonstrate financial need, or
- They would be adversely impacted in their socio-emotional growth by the completion of an 8th semester, or
- They are developmentally ready to move beyond high school, or
- They have been accepted into an accredited postsecondary education institution, or
- They are furthering their education through military enlistment and they have an enlistment contract that contains an education component.

Students may graduate **earlier than 7 semesters** if:

- They are unlikely to graduate if forced to complete additional semesters, or
- They have been accepted into an accredited postsecondary education institution, or
- They are furthering their education through military enlistment and they have an enlistment contract that contains an education component

Students requesting graduation in less than 8 semesters should do so when registering for their senior year classes. Students requesting accelerated graduation later than this will not be denied solely on the basis of the timing of request. Students may utilize the 8 transfer credit policy to assist them in meeting accelerated graduation requirements.

Students graduating in less than 8 semesters will not be included in class rank when computed. Students selecting to graduate in less than 8 semesters will not be included in consideration for honor recognition based on class GPA or class rank. Official diplomas will not be awarded until the end of the school year. Students seeking accelerated graduation must petition their guidance counselor who will assist them in completing the GCCS Accelerated Graduation Application. Once the application is complete the counselor will gain approval from the principal or their designee.

The Mitch Daniels Early Graduation Scholarship

There is a new scholarship for students who graduate from a publicly supported high school at least one year early, after December 31, 2010. For more information go to: <http://www.in.gov/ssaci/2504.htm>

CAREER ACADEMY PATHWAYS

During the second semester of the freshman year, students select a career academy and pathway based on their future career plans.

BUSINESS & ENTREPRENEURSHIP ACADEMY PATHWAYS	ENGINEERING & MANUFACTURING ACADEMY PATHWAYS	HEALTH SERVICES ACADEMY PATHWAYS	PUBLIC SERVICE ACADEMY PATHWAYS
Business Management	Construction	Patient Care	Civic Arts
Computer Science	Engineering	Dental Careers (Prosser)	Culinary Arts (Prosser)
Cosmetology (Prosser)	Skilled Trades (Prosser)	PLTW Biomedical Science	Hospitality
Finance	Welding	Pre-Professional	Human & Social Services
Marketing			Public Safety
Radio & TV			

Specific required courses have been aligned to meet the Indiana Graduation Pathways. Please refer to the grade level specific Course Selection sheets for the pathway classes available on the JHS Website.

The time to start planning is now!

Every class and every year are important!

Make wise decisions as you prepare for your life's work. This special edition is designed to provide information about the many opportunities high school has to offer you. You must plan carefully to take advantage of the courses and pathways available to you. You and your parents should review and discuss the choices that are available and then make decisions that will best prepare you for the opportunities that await you after graduation. You are encouraged to become involved in all aspects of school life at JHS. We, along with your parents, are here to help you make wise decisions. Good luck!

Four Year Plan

1 st Semester	GQE*	Grade
English		
Math		
Science		
Social Studies		

2nd Semester	GQE*	Grade
English		
Math		
Science		
Social Studies		

1 st Semester	GQE*	Grade
English		
Math		
Science		
Social Studies		

2nd Semester	GQE*	Grade
English		
Math		
Science		
Social Studies		

1 st Semester	GQE*	Grade
English		
Math		
Science		
Social Studies		

2nd Semester	GQE*	Grade
English		
Math		
Science		
Social Studies		

1 st Semester	GQE*	Grade
English		
Math		
Science		
Social Studies		

2nd Semester	GQE*	Grade
English		
Math		
Science		
Social Studies		

COURSE DESCRIPTIONS BY DEPARTMENT

*= 1 SEMESTER COURSE **= 2 SEMESTER COURSE

BUSINESS AND MARKETING

** PREP FOR COLLEGE & CAREERS Required for incoming 9th grade students	(9)
** PRINCIPLES OF BUSINESS	(10)
** ADMINISTRATIVE AND OFFICE MANAGEMENT Prerequisite: Principles of Business Management	(12)
** PRINCIPLES OF BUSINESS MANAGEMENT	(11, 12)
** ADVANCED ACCOUNTING Prerequisite: Intro to Accounting	(11,12)
** PRINCIPLES OF MARKETING	(11, 12)
** STRATEGIC MARKETING Prerequisite: Principles of Marketing	(12)
**Banking Capstone Prerequisite: Intro to Accounting	(12)

COMPUTER TECHNOLOGY

** GRAPHIC DESIGN AND LAYOUT Prerequisite: Student Media: Newspaper or Yearbook	(11, 12)
** PRINCIPLES OF COMPUTERS & INFORMATION	(10)
** COMPUTER SCIENCE I Prerequisite: Introduction to Computer Science	(11, 12)
** COMPUTER SCIENCE II Prerequisite: Computer Science I	(12)

ENGINEERING AND MANUFACTURING

** PLTW INTRODUCTION TO ENGINEERING AND DESIGN Prerequisite: Algebra I	(9, 10)	DC
** PLTW PRINCIPLES OF ENGINEERING Prerequisite: Introduction to Engineering Design	(10, 11)	DC
** PLTW CIVIL ENGINEERING AND ARCHITECTURE Prerequisite: Principles of Engineering	(11, 12)	DC
** PLTW ENGINEERING DESIGN AND DEVELOPMENT Prerequisite: Civil Engineering and Architecture	(12)	
** PRINCIPLES OF CONSTRUCTION	(10)	
**CONSTRUCTION I Prerequisite: Introduction to Construction	(11,12)	
**CONSTRUCTION II Prerequisite: Construction I	(12)	
** PRINCIPLES OF WELDING TECHNOLOGY	(10)	
** WELDING TECHNOLOGY I Prerequisite: Principles of Welding Technology	(11)	DC
** WELDING TECHNOLOGY II Prerequisite: Welding Technology I	(12)	DC

FAMILY AND CONSUMER SCIENCES (FACS)

**PRINCIPLES OF HOSPITALITY	(10)	
**PRINCIPLES OF HUMAN SERVICES	(10)	
**CULINARY ARTS I	(11, 12)	
**HUMAN AND SOCIAL SERVICES I	(11,12)	
**HUMAN AND SOCIAL SERVICES II Prerequisite: Human and Social Services I	(12)	
**ADVANCED NUTRITION AND WELLNESS	(10, 11, 12)	
**HUMAN DEVELOPMENT AND WELLNESS	(9, 10, 11, 12)	

ART

* INTRO TO TWO DIMENSIONAL ART	(9, 10, 11, 12)
**DRAWING I/II Prerequisite: Intro to 2D	(10, 11, 12)
** DRAWING III/IV Prerequisite: Drawing I/II	(11, 12)
**PAINTING I/II Prerequisite: Intro to 2D	(10, 11, 12)
**PAINTING III/IV Prerequisite: Painting I/II	(11, 12)
* INTRO TO THREE DIMENSIONAL ART	(9, 10, 11, 12)
**SCULPTURE I/II Prerequisite: Intro to 3D	(10, 11, 12)
*SCULPTURE III/IV Prerequisite: Sculpture I/II	(11, 12)
**CERAMICS I/II Prerequisite: Intro to 3D	(10, 11, 12)
** CERAMICS III/IV Prerequisite: Ceramics I/II	(11, 12)
** STUDIO ART 2D DESIGN, ADVANCED PLACEMENT Prerequisites: Intro to 2D, Drawing I/ II, and permission from the instructor	(11, 12)
** STUDIO ART (3D DESIGN PORTFOLIO), ADVANCED PLACEMENT Prerequisite: Intro to 3D, Ceramics I, Sculpture I and permission from the instructor	(11, 12)

PHOTOGRAPHY

** PHOTOGRAPHY I/II <i>YOU MUST HAVE YOUR OWN DIGITAL CAMERA WITH REMOVABLE STORAGE TO PARTICIPATE IN THIS CLASS. PHONES WILL NOT BE ALLOWED TO COMPLETE ASSIGNMENTS.</i>	(9, 10, 11, 12)
** PHOTOGRAPHY III/IV *Prerequisites: Photography I/II	(10, 11, 12)
** COMMERCIAL PHOTOGRAPHY Prerequisites: Photography III/IV and teacher recommendation	(11, 12)

BAND

Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom. Prerequisite: Previous school band experience

** INTERMEDIATE CONCERT BAND: BRASS	(9, 10, 11, 12)
** INTERMEDIATE CONCERT BAND: WOODWINDS	(9, 10, 11, 12)
** ADVANCED CONCERT BAND (Wind Symphony)	(9, 10, 11, 12)
** INSTRUMENTAL ENSEMBLE I (Concert Percussion)	(9, 10, 11, 12)
** INSTRUMENTAL ENSEMBLE II (Chamber Percussion) Prerequisite: Audition and Instructor approval	(9, 10, 11, 12)
** JAZZ ENSEMBLE Other Concurrent Band class required	(10, 11, 12)
* APPLIED MUSIC (INSTRUMENTAL) Prerequisite: Instructor approval	(11, 12)
** MUSIC THEORY AND COMPOSITION I	(9, 10, 11, 12)
** MUSIC THEORY II, ADVANCED PLACEMENT Prerequisite: Instructor Approval or Music Theory I	(9, 10, 11, 12)
**MUSIC HISTORY & APPRECIATION	(9, 10, 11, 12)
* PIANO AND ELECTRONIC KEYBOARD	(9, 10, 11, 12)

CHORUS

** BEGINNING CHORUS (GIRLS) Prerequisite: Previous Vocal Experience Preferred	(9)
** BEGINNING CHORUS (BOYS) Prerequisite: Previous Vocal Experience Preferred	(9, 10, 11)
** ADVANCED CHORUS (Women's Concert Choir) Prerequisite: Beginning Chorus (Girls) /Instructor approval	(10, 11, 12)
** CHAMBER ENSEMBLE (Chamber Choir) Prerequisite: Audition/Instructor approval	(10, 11, 12)

THEATRE

** THEATRE ARTS I/II	(9, 10, 11, 12)
** ADVANCED THEATRE ARTS I/II Prerequisite: Theatre Arts I/ II	(10, 11, 12)
** ADVANCED ACTING I/II Prerequisite: Advanced Theatre I/II	(11, 12)
** THEATRE PRODUCTION I/II Instructor approval required	(12)
*/**MUSICAL THEATER	(11,12)

HEALTH AND PHYSICAL EDUCATION

* HEALTH AND WELLNESS (REQUIRED) <u>All 8th grade students in GCCS should complete their Health online.</u>	(8, 9)
* PHYSICAL EDUCATION I (REQUIRED)	(9)
* PHYSICAL EDUCATION II (REQUIRED)	(9, 10)
* SPORTS PERFORMANCE (Does not count as PE requirement) Co-requisite: Participation in a school sport	(9, 10, 11, 12)
* TEAM SPORTS (Does not count as PE requirement)	(10, 11, 12)

JROTC

** JROTC I Application Required	(9, 10, 11, 12)
** JROTC II Prerequisite: JROTC I, or consent of Senior JROTC Instructor	(10, 11, 12)
** JROTC III Prerequisite: JROTC II, or consent of Senior JROTC Instructor	(11, 12)
** JROTC IV Prerequisite: JROTC III, or consent of Senior JROTC Instructor	(12)

RADIO AND TELEVISION

**PRINCIPLES OF RADIO AND TV Prerequisite: Application and interview.	(10)	
** RADIO AND TELEVISION II Prerequisite: Radio/TV I	(11, 12)	DC
** RADIO AND TELEVISION II: SPORTS CASTING Prerequisite: Radio/TV I	(11, 12)	

ENGLISH

Prerequisite for all Honors and AP classes: Grade of A or B in previous English class and teacher recommendation.

** ENGLISH 9/ENGLISH 9 HONORS	(9)	
** ENGLISH 10/ ENGLISH 10 HONORS	(10)	
** ENGLISH 11/ ENGLISH 11 HONORS	(11)	
** ENGLISH LANGUAGE & COMPOSITION, ADVANCED PLACEMENT	(11)	DC
** ENGLISH 12	(12)	
** ENGLISH 12 HONORS	(12)	DC
** ENGLISH LITERATURE AND COMPOSITION, ADVANCED PLACEMENT	(12)	DC

ENGLISH ELECTIVES

* CREATIVE WRITING	(10, 11, 12)	
** JOURNALISM	(9, 10, 11, 12)	
* ACP ADVANCED SPEECH/COMMUNICATION Prerequisite: Speech and 2.7 G.P.A. requirement for Dual Credit	(12)	DC
** STUDENT MEDIA: NEWSPAPER I Prerequisite: Journalism and/or Photography. Application is required.	(10)	
** STUDENT MEDIA: YEARBOOK I Prerequisite: Journalism or Photography. Application is required.	(10)	
* THEMES IN LIT: MYTHOLOGY	(10, 11, 12)	
* THEMES IN LIT: HOLOCAUST	(10, 11, 12)	
* NOVELS: SCIENCE FICTION	(10, 11, 12)	

ENGLISH AS A NEW LANGUAGE

** ENL LEVEL I	(9, 10,11,12)
** ENL LEVEL II	(9, 10,11,12)
** ENL LEVEL III	(9, 10,11,12)

MATHEMATICS

Prerequisite for all Honors and AP classes: Grade of A or B in previous Math course and teacher recommendation. *Students taking a mathematics course will be expected to have an appropriate SCIENTIFIC calculator. Instruction will be geared toward the use of the Texas Instrument TI-30 (any model).*

** ALGEBRA LAB Prerequisite: Teacher/counselor recommendation	(9)	
** ALGEBRA I/ HONORS	(9)	
** ALGEBRA II/ HONORS Prerequisite: Algebra I (both semesters) / Algebra I Honors	(10, 11, 12)	
** GEOMETRY/ HONORS Prerequisite: Algebra I & II	(9, 10, 11, 12)	
** PRE-CALCULUS/TRIGONOMETRY Prerequisites: Algebra I, Algebra II, & Geometry	(11, 12)	
** PRE-CALCULUS HONORS Prerequisites: Geometry H and Algebra II H (with A or B for both semesters)	(11, 12)	DC
** FINITE MATHEMATICS Prerequisites: Algebra I, Algebra II, & Geometry	(11, 12)	
**FINITE MATHEMATICS HONORS	(11, 12)	DC
** CALCULUS AB, ADVANCED PLACEMENT Prerequisites: Pre-Calculus Honors and teacher recommendation	(11, 12)	DC
** CALCULUS BC, ADVANCED PLACEMENT Prerequisites: Calculus AB and teacher recommendation	(12)	
** STATISTICS, ADVANCED PLACEMENT Prerequisites: Prerequisites: Algebra I, Algebra II, & Geometry & teacher recommendation	(11, 12)	

SCIENCE

** INTEGRATED CHEMISTRY/PHYSICS (ICP)	(9)	
** BIOLOGY I/HONORS Prerequisites: For Honors -teacher recommendation, standardized test scores	(9, 10)	
** CHEMISTRY I Prerequisites: Biology I and Algebra I with at least a C average in each required	(10, 11, 12)	
** CHEMISTRY I HONORS Prerequisites: Honors Biology I and Honors Algebra I with at least a B average in each required, GPA of 2.7 and teacher recommendation	(10, 11, 12)	DC
** PHYSICS I Co-requisite: Algebra II	(11, 12)	
** EARTH/SPACE SCIENCE	(11, 12)	
** ANATOMY AND PHYSIOLOGY HONORS Prerequisites: Biology and Chemistry (Grade of A or B), Teacher Recommendation	(11, 12)	
** BIOLOGY, ADVANCED PLACEMENT/LAB (2 periods) Prerequisites: Biology I and/or Chemistry I with teacher recommendation	(11, 12)	DC
** ENVIRONMENTAL SCIENCE, ADVANCED PLACEMENT/LAB (2 periods) Prerequisites: C or higher in Biology and physical science.	(11, 12)	
** PHYSICS I: ALGEBRA - BASED, ADVANCED PLACEMENT	(11, 12)	
** PLTW PRINCIPLES OF BIOMEDICAL SCIENCES Prerequisite: Biology I Honors or concurrent enrollment in Biology I	(9, 10)	
** PLTW HUMAN BODY SYSTEMS Prerequisite: Principles of Biomedical Sciences	(10, 11, 12)	
** PLTW MEDICAL INTERVENTIONS Prerequisite: Human Body Systems	(11, 12)	
** PLTW BIOMEDICAL INNOVATION Prerequisite: Medical Interventions	(12)	
**PRINCIPLES OF HEALTH SCIENCE	(10, 11)	
** HEALTH SCIENCE ED I Prerequisite: Intro to Health Science	(11, 12)	
** HEALTH SCIENCE ED II: PHYSICAL THERAPY Prerequisite: Health Science Ed I	(12)	
** HEALTH SCIENCE ED II: ATHLETIC TRAINING (Application) Prerequisite: Health Science Ed I	(12)	

SOCIAL STUDIES

** WORLD HISTORY AND CIVILIZATION	(10)	
** U. S. HISTORY	(11)	
** U. S. HISTORY, ADVANCED PLACEMENT Prerequisite: Teacher Recommendation, A or B in previous Social St. class	(11)	DC
* U.S. GOVERNMENT	(12)	
** U. S. GOVERNMENT AND POLITICS, ADVANCED PLACEMENT Prerequisite: Teacher Recommendation, A or B in previous Social St. class	(12)	DC
* ECONOMICS	(12)	
* ECONOMICS HONORS Prerequisite: GPA 2.6	(12)	DC
** MICROECONOMICS, ADVANCED PLACEMENT Prerequisite: Teacher Recommendation, A or B in previous Social St. class	(12)	

SOCIAL STUDIES ELECTIVES

** PSYCHOLOGY	(10, 11, 12)	
** PSYCHOLOGY, ADVANCED PLACEMENT	(11, 12)	
** CURRENT PROBLEMS, ISSUES, & EVENTS	(9, 10, 11, 12)	

WORLD LANGUAGE

Prerequisite for all Level I World Languages: Must have a C in previous English course

** FRENCH I and FRENCH II	(9, 10, 11, 12)	
** GERMAN I and GERMAN II	(9, 10, 11, 12)	
** SPANISH I and SPANISH II	(9, 10, 11, 12)	
** FRENCH III HONORS	(11, 12)	DC
** GERMAN III HONORS	(11, 12)	DC
** SPANISH III HONORS	(11, 12)	DC
** FRENCH IV HONORS	(12)	DC
** GERMAN IV HONORS	(12)	DC
** SPANISH IV HONORS	(12)	DC

PROSSER

Prosser Career Education Center provides high-quality career and technical education (CTE) programs for high school students throughout southern Indiana. With an average enrollment of 1,350 students enrolled in 24 different career preparation programs, Prosser is the largest career center in the state of Indiana. Prosser students have the opportunity to earn multiple college credits and nationally recognized certifications for successfully completing the CTE program. With proper planning, students can earn the Technical and/or Academic Honors diploma.

Junior and senior students will attend Prosser for half of the instructional school day, while the other half of the instructional day will be utilized to complete academic requirements at the home school. Most programs offer two years of career preparation training, but many students will choose to attend for only one year. Students complete Intent-to-Enroll forms in early spring the year before they will attend. Students wanting to attend Prosser need to meet with their home school counselor to ensure the Prosser career program matches future goals as well as desired diploma type.

For more information about each program, including dual college credit and certification opportunities, go to www.prossercareers.com

Course Offerings

*=1 year program

**=1 year program/seniors only

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 participate in a variety of activities, including extensive laboratory work in the exciting world of hydro and geponics. **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) 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 troubleshooting, 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 5966) 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 5918)** 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, Makeup 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 healthcare 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 chairside 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) 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 5236/5250) 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

Students who wish to pursue a Prosser/Vincennes University Early College certificate or degree should strive to enroll in as many high school dual credit courses as possible prior to graduation. Some suggested courses, or their equivalents, which Prosser/Vincennes University Early College students should take at their home high school are:

- ENGL 101 - English Composition I (3 hrs.)
- 100-Level or higher Mathematics (3 hrs.)
- Social Science Elective (3 hrs.) such as History, Psychology, or Sociology
- COMM 143 – Speech (3 hrs.)

Visit our website for more information: www.prossercareers.com