

Charlestown High School

2024-2025

COURSE DESCRIPTION GUIDE

#1 Pirate Place | (812) 256-3328
Charlestown, IN 47111 | gccschools.com



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

Learn that strong work ethic skills are essential for success



ACHIEVE

Maximize education to best prepare for college and careers

ASPIRE

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



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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:

The Academies of Greater Clark at Charlestown High School Course Guide is an extremely valuable tool to assist students with appropriate course selections for the 2024-25 school year. All of the courses have been reviewed and information is included to assist students with making appropriate choices. It is important that parents and students are aware of the requirements for graduation from Charlestown High School. Every student must follow the Core 40 diploma track and pass the required State Graduation Exams or meet Graduation Pathways. Many students will choose to earn an Academic Honors Diploma or Technical Honors Diploma. These students must be sure to take the correct courses for those diplomas and make certain the courses are selected in the appropriate sequence. We are thrilled to share that our students have the opportunity to work toward an Ivy Tech certificate as well. Our counseling staff will work with all students to ensure proper course and career pathway selections.

Students should select courses in which they have an interest and which meet their educational goals. It is important to select courses carefully because schedule changes are limited once the school's master schedule is finalized. It becomes very difficult to change a student's schedule once the requests have been built into the master schedule.

We encourage parents to work with your students to choose courses and to discuss aspirations and career choices as students explore pathways. Collaboration among parents, students, teachers, and counselors will help provide the support that students need in their journey to reach personal goals.

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

Sincerely,

Charlestown High School Administration

William Eihusen, Principal

JT Cox, Assistant Principal

Khris Harris, Counselor, kharris@gccschools.com

Julia Rice, Counselor, jrice@gccschools.com

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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

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?

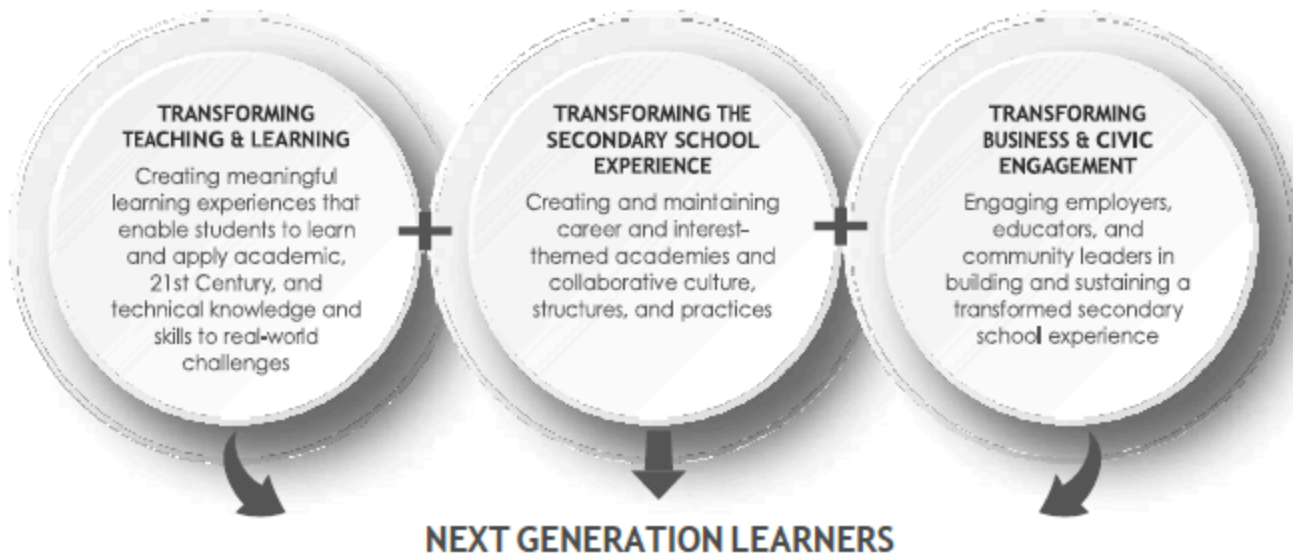
Our goal is not to have students feel "stuck." Students who believe they are in the wrong academy or find out that their passion lies in another academy will have the opportunity to move to another academy once during their high school career.

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://indianacareerexplorer.com/>

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 explore the following:

- 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 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.

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 place close attention to the charts and make sure you are meeting your requirements.

DIPLOMA REQUIREMENTS

Class of 2020 and beyond

CORE 40	CORE 40 TECHNICAL HONORS	CORE 40 ACADEMIC HONORS
<p>The recommended course of study by the IDOE- This diploma is for students who are seeking admission to any of Indiana's two or four year colleges and universities.</p>	<p>An extension of the CORE 40 diploma- A student must complete a career technical program and earn a state-recognized certification.</p>	<p>The most rigorous diploma offered- A curriculum of specific courses, which will prepare students for the rigor of college coursework.</p>
<p>40 Credits No minimum GPA</p>	<p>47 Credits 3.0 minimum GPA C or above in all 47 credits</p>	<p>47 Credits 3.0 minimum GPA C or above in all 47 credits</p>
<p>English.....8 credits</p> <p>Math.....6-8 credits (Algebra Two required)Math or Quantitative Reasoning course required all 4 years .(6 credits must be earned in grades 9-12.)</p> <p>Social Studies.....6 credits (US History, Gov., Econ. and World History required)</p> <p>Science.....6 credits (Biology & Physical science required, 2 more credits from Biology, Chemistry Earth Space or Advanced Science)</p> <p>Physical Educ.....2 credits (2 semesters)</p> <p>Health & Wellness....1 credit</p> <p>Directed Electives...11 credits</p> <ul style="list-style-type: none"> ● Fine Arts ● World Language ● Career/Technical 	<p>English.....8 credits</p> <p>Math.....6-8 credits (Algebra Two required)Math or Quantitative Reasoning course required all 4 years .(6 credits must be earned in grades 9-12.)</p> <p>Social Studies.....6 credits (US History, Gov., Econ and World History required)</p> <p>Science.....6 credits (Biology & Physical science required, 2 more credits from Biology, Chemistry Earth Space or Advanced Science)</p> <p>Physical Educ.....2 credits (2 semesters)</p> <p>Health & Wellness.....1 credit</p> <p>Career Tech.....min 6 credits</p> <p>Directed Electives.....12 credits</p> <ul style="list-style-type: none"> ● Fine Arts ● World Language ● Career/Technical <p><u>Complete One of the following:</u></p> <ol style="list-style-type: none"> 1. 9 DC's in Technical Area/Pathway 2. State approved industry certification <p style="text-align: center;">AND</p> <p><u>Complete one of the following:</u></p> <ol style="list-style-type: none"> 1.Any one of the options (A-E) of the Core 40 with Academic Honors 2. Earn Designated Scores on Work Keys or Accuplacer 	<p>English.....8 credits</p> <p>Math.....6-8 credits (Algebra Two required)Math or Quantitative Reasoning course required all 4 years .(6credits must be earned in grades 9-12.)</p> <p>Social Studies.....6 credits (US History, Gov., Econ and World History required)</p> <p>Science.....6 credits (Biology & Physical science required, 2 more credits from Biology, Chemistry Earth Space or Advanced Science)</p> <p>Physical Educ.....2 credits (2 semesters)</p> <p>Health & Wellness...1 credit</p> <p>Fine Arts.....2 credits (Art, Band, Choir, Music History, Theatre, Student Pubs)</p> <p>World Language.....6-8 Credits (6 credits in one language)</p> <p>Directed Electives.....10 credits</p> <p><u>Complete One of the following:</u></p> <ul style="list-style-type: none"> ● 2 AP Courses ● 6 college dual credits ● 1 AP Course and 3 dual credits ● 1750 on SAT reading/math/writing with minimum 530 on each section ● 26 on ACT must take written portion

Indiana Graduation Pathways Requirements

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 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 should take the AP examination in order to earn transcribed AP 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. There will be a test fee for each AP exam.

Charlestown High School Advanced Placement (AP) Courses

AP English Language and Composition	AP English Literature
AP Chemistry	AP Biology
AP Physics	AP United States History
AP Calculus	AP Statistics

Charlestown High School Dual Credit Courses

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 Accuplacer, SAT, ACT and PSAT. Additionally students must complete a dual credit online application to Ivy Tech to 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.

Indiana University ACP

Students may receive dual credit from Indiana University through the Advanced College Project (IUACP). These courses are provided for a fee to students. In order to receive dual credit from Indiana University, students must meet the UNWEIGHTED GPA requirement. Additionally, students must complete an online registration process to receive dual credit (social security number is required).

IUACP/Ivy Tech Dual Credit Classes

AP English Language	Government Honors
AP English Literature	Economics Honors
English 12 Honors	AP US History
Adv Speech	Anatomy & Physiology Hrs
AP Calculus AB (IUS)	Pre-Calculus Honors
AP Statistics - potential for 24-25 TBD	Finite Honors (IUS)
AP Biology	Chemistry Honors (IUS)
Spanish III	Spanish IV
Intro to Engineering Design	Principles of Engineering
Civil Engineering/Architecture	Principles of Culinary/Hospitality
Nutrition	Education Professions I (IUS)

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

College Certificate/Ivy Tech Degrees: CHS

Ivy Tech Community College and High Schools partner together to offer many Dual Credit courses. With proper course selections and by demonstrating college readiness, students may be able to complete the entire Indiana College Core (ICC) at their High School at no cost to the student.

The ICC prepares students for transfer to the bachelor-degree granting state institution of their choice. **If at least 30 credits are accumulated and a course from each category is completed, the STGEC requirements have been met.**

It is state-mandated that the entire block of 30 college credits will transfer to any public college/university in Indiana. This 30-credit hour block of courses is equivalent to a full year of college coursework. This achievement will be documented on their Ivy Tech transcript, and students will have the opportunity to participate in Ivy Tech's graduation even before their High School graduation! To help complete the ICC (which is also the first 30 credits of the Associates Degree in General Studies), High School students may also utilize courses held at the Ivy Tech Sellersburg campus for a special discounted rate called "TACOU."

Ivy Tech Community College Indiana College Core (ICC) Course	High School Dual Credit Course Name (DOE State Approved Course Title)	DOE #	STGEC Credits Earned	STGEC Credits Planned
Written Communication (3 Credits Required)				
ENGL 111 English Composition (3 credits)	English Lang AP 1056 <u>or</u> English 12 (must be advanced or honors)	1008		
Speaking and Listening (3-6 Credits Required)				
COMM 101 Fund. Of Public Speaking (3 credits)	Advanced Speech Professor on Loan	1078		
Quantitative Reasoning (3-12 Credits Required)				
MATH 135 Finite Math (3 credits)	Finite Hrs Math	2530		
MATH 136 College Algebra (3 credits)	Pre-Calculus	2564		
MATH 137 Trig with Analytic Geometry (3 credits)	Trigonometry	2566		
MATH 211 Calculus I (4 credits)	Calculus AB, AP, or Calculus	IU		
Scientific Ways of Knowing (3-12 Credits Required)				
BIOL 105 Biology I (3 credits)	Biology AP (must be 2 semesters)	3020		
CHEM 101 Introductory Chemistry I (3 credits) from IU	Chemistry Hrs (L) or Advanced Science, College Credit	IU		
Social and Behavioral Ways of Knowing (3-12 Credits Required)				
ECON 101 Economics Fundamentals (3 credits)	Economics (must be advanced or honors level)	1514		
HIST 101 Survey of American History I (3 credits)	US History AP	1562		
HIST 102 Survey of American History II (3 credits)	US History AP	1562		
POLS 101 Introduction to American Government & Politics (3 credits)	US Government (must be advanced or honors level)	1560		

Humanistic and Artistic Ways of Knowing (3-12 Credits Required)				
ENGL 206 Introduction to Literature (3 credits)	AP English Literature	1058		
SPAN 101 Spanish Level I (4 credits)	Spanish III	2124		
SPAN 102 Spanish Level II (4 credits)	Spanish III	2124		
SPAN 201 Spanish Level III (3 credits)	Spanish IV	2126		
SPAN 202 Spanish Level IV (3 credits)	Spanish IV	2126		
Statewide Transfer General Education Core: 30 minimum credits needed			Earned:	Planned:
			Overall Total:	

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. 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 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

Charlestown High School recognizes that there may be times when it is in the best interest of a student to re-take 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.

GRADING SCALE

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

GPA & WEIGHTED GRADES

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 1 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 which must be completed 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 <https://web3.ncaa.org/ecwr3/>

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.

ASPE has been approved only for the following activities:

All IHSSA School Sponsored sports, including identified emerging sports
Cheerleading, archery, bowling
Marching Band*, Winter Guard, Dance Team, STEP Team
ROTC

- 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.

ALTERNATES

Students must select an alternate (substitute) course for each elective. Students should exercise much care in choosing alternates since students may be scheduled into one or more alternative class selections.

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., seniors needing a course for graduation, scheduled into a course for which credit has already been granted, etc.). A “Withdrawn 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

Charlestown High School has a minimal selection of online courses in which students can enroll for the following purposes: (1) the student needs to recover a credit (2) 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, and it is not in the best interest of most students.. However, students with extenuating circumstances may apply to graduate in fewer than eight semesters under the following guidelines:

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

- They demonstrate financial need, or
- They intend to start college a semester early in a program not serviced through GCCS Early College, or
- They are furthering their education through military enlistment and they have an enlistment contract that contains an education component, or
- They require special accommodations that cannot be serviced by any GCCS program.

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

- They intend to pursue the Mitch Daniels 6 semester Early Graduation Scholarship. Students are reminded that the GCCS Early College Dual Credit program may offer similar advantages. These students should indicate interest in 6 semester graduation during grade 10 in order to be scheduled for all requirements during grade 11.

Students requesting graduation in less than 8 semesters should do so when registering for their junior/senior year classes. An in-person parent conference will be required as a component of application submission. Students requesting accelerated graduation later than this will not be denied solely on the basis of the timing of request. 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>

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 CHS. We, along with your parents, are here to help you make wise decisions. Good luck!

Four Year Plan

9th Grade		10th Grade	
English:	English:	English:	English:
Math:	Math:	Math:	Math:
Science:	Science:	Science:	Science:
Prep College/Careers	Prep College/Careers	World History:	World History:
PE	PE	Pathway Course	Pathway Course
11th Grade		12th Grade	
English:	English:	English:	English:
Math:	Math:	Econ/Gov't.	Econ/Gov't.
Science	Science	Math or QR	Math or QR
U.S. History:	U.S. History:	Pathway Course	Pathway Course
Pathway Course	Pathway Course		

Four Year Plan
Sample Core 40 Diploma Track

9th Grade S1	9th Grade S2	10th Grade S1	10th Grade S2
English 9	English 9	English 10	English 10
Algebra 1	Algebra 1	Algebra 2 or Geometry	Algebra 2 or Geometry
Integrated Chem/Physics	Integrated Chem/Physics	Biology 1	Biology 1
Prep College/Careers	Prep College/Careers	World History	World History
PE, health if needed	PE	Pathway Course	Pathway Course
Elective:	Elective:	Elective:	Elective:
Elective:	Elective:	Elective:	Elective:
11th Grade S1	11th Grade S2	12th Grade S1	12th Grade S2
English 11	English 11	English 12	English 12
Algebra 2 or Geometry	Algebra 2 or Geometry	US Government	Economics
Science - ex: EarthSpace	Science - ex: EarthSpace	Pathway Course	Pathway Course
US History	US History	Elective: (math?)	Elective: (math?)
Pathway Course	Pathway Course	Elective:	Elective:
Elective:	Elective:	Elective:	Elective:
Elective:	Elective:	Elective:	Elective:

Four Year Plan
Sample Academic Honors Diploma Track

47 Credits
 3.0 minimum GPA
 C or above in all 47 credits
 2 AP Courses or 6 college dual credit courses or 1 AP and 3 dual credits or 1750 on SAT

9th Grade S1	9th Grade S2	10th Grade S1	10th Grade S2
English 9 HR	English 9 HR	English 10 HR	English 10 HR
Alg 1 or Geometry HR	Alg 1 or Geometry HR	Alg 2 HR or Geom HR	Alg 2 HR or Geom HR
Biology 1 HR	Biology 1 HR	Chemistry I HR	Chemistry I HR
Prep College/Careers	Prep College/Careers	World History HR	World History HR
PE, health if needed	PE	Pathway Course	Pathway Course
Elective: Spanish 1	Elective: Spanish 1	Elective: Spanish 2	Elective: Spanish 2
Elective: Fine Arts or other	Elective: Fine Arts or other	Elective:	Elective:
11th Grade S1	11th Grade S2	12th Grade S1	12th Grade S2
AP English Lang or English 11 HR	AP English Lang or English 11 HR	AP English Lit or English 12 HR	AP English Lit or English 12 HR
Alg 2 HR or Precal HR or Finite HR or AP Stat	Alg 2 HR or Precal HR or Finite HR or AP Stat	Precal HR or Finite HR or Calculus I HR or AP Stat	Precal HR or Finite HR or Calculus I HR or AP Stat
Science - may choose AP or HR	Science - may choose AP or HR	US Govt HR/Econ HR	US Govt HR/Econ HR
AP US History	AP US History	Pathway Course	Pathway Course
Pathway Course	Pathway Course	Elective: fine arts if needed	Elective: fine arts if needed
Elective: Spanish 3	Elective: Spanish 3	Elective:	Elective:
Elective:	Elective:	Elective:	Elective:

Four Year Plan
Sample Technical Honors Diploma Track

47 Credits
 3.0 minimum GPA
 C or above in all 47 credits
 9 dual credits in technical area/pathway or State approved industry certification

9th Grade S1	9th Grade S2	10th Grade S1	10th Grade S2
English 9 HR or reg	English 9 HR or reg	English 10 HR or reg	English 10 HR or reg
Alg 1 or Geometry HR	Alg 1 or Geometry HR	Alg 2 HR or Geom HR	Alg 2 HR or Geom HR
Biology 1 HR or ICP	Biology 1 HR or ICP	Chemistry I HR or Chem 1	Chemistry I HR or Chem 1
Prep College/Careers	Prep College/Careers	World History HR or reg	World History HR or reg
PE, health if needed	PE	Pathway Course or IED	Pathway Course or IED
Elective: Spanish 1	Elective: Spanish 1	Elective: Spanish 2	Elective: Spanish 2
Elective: Fine Arts or other	Elective: Fine Arts or other	Elective:	Elective:
11th Grade S1	11th Grade S2	12th Grade S1	12th Grade S2
AP English Lang or English 11 HR or reg	AP English Lang or English 11 HR or reg	AP English Lit or English 12 HR	AP English Lit or English 12 HR
Alg 2 HR or reg or Precal HR or Finite HR or AP Stat	Alg 2 HR or reg or Precal HR or Finite HR or AP Stat	Precal HR or Finite HR or Calculus I HR or AP Stat	Precal HR or Finite HR or Calculus I HR or AP Stat
Science - may choose AP, HR or regular	Science - may choose AP, HR or regular	US Govt HR/Econ HR or reg	US Govt HR/Econ HR or reg
AP US History or reg	AP US History or reg	Prosser or Civil Engineering	Prosser or Civil Engineering
Prosser or Principles of Engineering	Prosser or Principles of Engineering	Prosser or Civil Engineering	Prosser or Civil Engineering
Prosser or Principles of Engineering	Prosser or Principles of Engineering	Prosser or Civil Engineering	Prosser or Civil Engineering
Prosser or Principles of Engineering	Prosser or Principles of Engineering	Prosser or Civil Engineering	Prosser or Civil Engineering

Four Year Plan

Sample Academic Honors/Indiana College Core Path Diploma Track

47 Credits
 3.0 minimum GPA
 C or above in all 47 credits
 2 AP Courses or 6 college dual credit courses or 1 AP and 3 dual credits or 1750 on SAT
 30 Dual Credits for ICC
 ***Dual Credit Courses are in bold

9th Grade S1	9th Grade S2		10th Grade S1	10th Grade S2
English 9 HR	English 9 HR		English 10 HR	English 10 HR
Alg 1 or Geometry HR	Alg 1 or Geometry HR		Alg 2 HR or Geom HR	Alg 2 HR or Geom HR
Biology 1 HR	Biology 1 HR		Chemistry I HR	Chemistry I HR
Prep College/Careers	Prep College/Careers		World History HR	World History HR
PE, health if needed	PE		Pathway Course	Pathway Course
Elective: Spanish 1	Elective: Spanish 1		Elective: Spanish 2	Elective: Spanish 2
Elective: Fine Arts or other	Elective: Fine Arts or other		Elective:	Elective:
11th Grade S1	11th Grade S2		12th Grade S1	12th Grade S2
AP English Lang	AP English Lang		AP English Lit	AP English Lit
Alg 2 HR or Precal HR or Finite HR or AP Stat	Alg 2 HR or Precal HR or Finite HR or AP Stat		Precal HR or Finite HR or Calculus I HR or AP Stat	Precal HR or Finite HR or Calculus I HR or AP Stat
AP Bio or Anatomy HR	AP Bio or Anatomy HR		US Govt HR/Econ HR	US Govt HR/Econ HR
AP US History	AP US History		Pathway Course	Pathway Course
Pathway Course	Pathway Course		Elective: Adv Speech	Elective:
Elective: Spanish 3	Elective: Spanish 3		Elective: Additional Dual credit class or other	Elective: Additional Dual credit class or other
Elective: if AP Bio, then AP Bio lab	Elective: if AP Bio, then AP Bio lab		Elective: Spanish 4	Elective: Spanish 4

Charlestown High School Academy Pathway Descriptions

<p><u>Business Academy:</u> Business Administration</p>	<p>Are you good at managing a team? Use your skills to become a great leader! The Business Administration Pathway prepares students to ethically manage a business in the free-enterprise system. Students will gain skills in the understanding of management, leadership, team building, problem-solving, and the process to achieve organizational goals. Individual experiences and projects will be based upon students' career and educational goals. Students will create advanced business plans and study what makes good leaders great!</p>
<p><u>Business Academy:</u> Radio and Television Broadcasting</p>	<p>Lights! Camera! Action! You're on in 5--4-3-2-1... Have you ever dreamed of being on the radio, on television, calling a basketball or football game, or running cameras behind the scenes? Do you have an eye for video production and are good with editing tools? Are you creative, well spoken, and confident? More importantly, are you dependable, self-sufficient, and hard working? If so, the radio/television program is looking for people like you! Our pathway is a three year pathway with classes in broadcasting, audio and video production, and sports casting where students will learn how to operate a radio station, be an on-air talent, produce shows and news packages or other videos, call Pirate sporting events on the radio, and promote all things Charlestown whether that's athletics or academics. If you're more the shy type and don't see yourself being a prominent voice for radio or news anchoring, there's a great demand in the industry for those who'd rather operate cameras, produce television, write scripts, and even be technical engineers. Maybe you have a knack for photography or graphic design. It's all a part of what we do at WPMQ, The Pirate Network.</p>
<p><u>Engineering Academy</u></p>	<p>Do you enjoy taking objects apart, seeing how they work, and using your imagination to design products for the future? Do topics like electricity, robotics, 3D printing, and solar power sound interesting to you? If you are the type of person that wants to transform your dreams into reality, then the Engineering Pathway is the path for you! Explore different engineering categories. Learn to use 3D drafting software to draw and animate your ideas. Learn to problem solve and work with groups to design graphs and analytics that will prepare you for situations that occur in industry. Explore elements of electricity and alternative energy sources that are becoming even more important to the world around us. Learn about the codes, regulations, and land surveying that must be done before construction, and then build a model of these buildings. Build a bright future by learning what it takes to be an engineer or an architect - a professional problem solver.</p>
<p><u>Health Services Academy:</u> Biomedical Sciences and Technology</p>	<p>The PLTW Biomedical Science sequence allows students to investigate the roles of biomedical professionals through hands-on learning as they study the concepts of human medicine, physiology, genetics, microbiology, and public health. Students engage in activities like investigating the death of a fictional person, dissection, suturing, modeling as well as use advanced genetic techniques to learn content in the context of real-world cases. Students will exit the course sequence with an advanced understanding of the interactions of human body systems and be able to explore the prevention, diagnosis, and treatment of disease. Each course in the Biomedical Science sequence builds on the skills and knowledge students gain in the preceding courses. If you plan to have a career in medicine, curious to how things work or just love science, this is the course for you!</p>
<p><u>Health Services Academy:</u></p>	<p>Broken bones, torn ligaments, and saving lives! Are you interested in a career in medicine? The Exercise Science pathway is taught by a practicing Baptist Health sports medicine professional and</p>

Exercise Science	<p>is designed to prepare you for a college education in the medical field. Students will learn hands-on injury prevention skills such as applications of tape, rehabilitation, and strength/conditioning. Also you will learn injury evaluation techniques, what to do in an emergency situation, and general medical conditions and how to treat them. You will get to meet some of the best orthopedic doctors as guest speakers, have the opportunity to shadow an athletic trainer on the sidelines, and prepare yourself by applying anatomy and physiology to real life situations. You will not find a better opportunity to figure out if a career in medicine is right for you!</p>
<u>Public Service Academy:</u> Human and Social Services	<p>Do you want to help people? Do you plan to have a career where you work with people? If so, the Human and Social Services Pathway is the right choice for you! The Human and Social Services pathway is excellent for anyone who wants to help, service, or work with people. If your dream is to be a police officer, this pathway is right for you; if you want to work with children, this pathway is right for you. Do you want to be a doctor or nurse? This pathway is right for you! In this pathway, you will create a professional portfolio, learn the importance of networking, and hear firsthand about careers from the many guest speakers that join us. This pathway also covers budgeting, taxes, interpersonal relationships, interpersonal skills, and career exploration.</p>
<u>Public Service Academy:</u> Culinary Arts	<p>Like to eat? Like good food? Like hands-on activities? If you said yes then the Culinary Art Pathway is for you! This pathway investigates all of the opportunities the Culinary Industry has to offer. We will learn the ins and outs of the catering industry and traditional cooking techniques along with Baking and Pastry. We will cater events within the school, corporation and community dressed to impress in our Pirate Culinary Jackets. We have the possibility of creating a student run restaurant open to faculty during lunches and before special events. Students will have the opportunity to earn the ServSafe Managers Certification (many students who earn the certification and work in the food industry receive raises for this certification.) There is a possibility of field trips and a large culminating event for those who finish the pathway. Come be a part of a fast growing profession!</p>

**Charlestown High School
Academy Course Plans 2024/25**

Business & Entrepreneurship Academy: Business Management and Administration (BM), Information Technology (IT), Arts, AV Tech and Communication (CM), Marketing (M), STEM

Cluster	Career Pathway	Sophomore Course Name	Junior Course Name	Senior Course Name
BM	Business Administration	Principles of Business Management (4562)	Marketing Fundamentals (5914)	Accounting Fundamentals (4524)
	Marketing & Sales	Principles of Business Management (4562)	Marketing Fundamentals (5914)	Strategic Marketing (5918)
CM	Radio and Television Broadcasting	Principles of Broadcasting (7139)	Audio & Video Prod. (7306)	Mass Media Production (7307)
M	Entrepreneurship/Marketing and Finance*	Principles of Business Management (4562)	Principles Entrepreneurship (7154) New Venture Dev (7148) Small Business Operations (7147)	Principles of Business Mgmt (4562)/Tech Skills Dev (7156) Marketing Fundamentals (5914) Strategic Marketing (5918)
IT	Software Dev (Programming)*	Principles of Business Management (4562)	Principles of Computing (7183) Website & Database Dev (7185) Software Development (7184)	Software Development Capstone (7253)
IT	Info Tech Operations (Cybersecurity)*	Principles of Business Management (4562)	Principles of Computing (7183) Info Tech Fund (7180) Networking/Cyber Ops (7181)	Cybersecurity Operations Capstone (7249)
CM	Digital Design (IT Media)*	Principles of Business Management (4562)	Principles of Digital Design (7140) Digital Design Graphics (7141) Interactive Media Design (7138)	No second year
IT	Networking*	Principles of Business Management(4562)	Principles of Computing (7183) Information Tech Fund (7180) Networking Fundamentals (7182)	Networking Capstone (7251)

Engineering & Advanced Manufacturing Academy: Advanced Manufacturing (AM), Architecture & Construction (AC), Transportation, Dist & Logistics (TDL)

Cluster	Career Pathway	Sophomore Course Name	Junior Course Name	Senior Course Name
STEM	Engineering	Intro to Engineering Design (4802)	Principles of Engineering (5644)	Civil Engineering & Architecture (5650)
STEM	Design Technology (Drafting)*	Intro to Engineering Design (4802)	Intro to Engineering Design (4802)/Tech Skills Dev (7156) Mech/Architectural Design (7196) BIM Architecture (7197)	Architectural Design Capstone (7225)
AC	Construction Trades - Carpentry*	IED (4802)	Principles of Const Trades (7130) General Carpentry (7123) Framing and Finishing (7122)	Construction Trades Capstone (7242)
AC	Civil Construction (Heavy Equipment)*	IED (4802)	Principles of Const Trades (7130) Civil Construction Fund (7121) Advanced Civil Construction (7118)	Civil Construction Capstone (7240)
AC	Construction Trades - Electrical*	IED (4802)	Principles of Const Trades (7130) Electrical Fundamentals (7124) Advanced Electrical (7119)	Construction Trades Electrical Capstone (7263)
AC	Construction Trades - HVAC*	IED (4802)	Principles of HVAC (7131) HVAC Fundamentals (7125) HVAC Service (7126)	HVAC Capstone (7244)
AM	Industrial Automation & Robotics*	IED (4802)	Principles of Adv Mnfg (7108) Adv Mnfg Technology (7103) Mechatronics Systems (7106)	Industrial Automation & Robotics Capstone (7224)
AM	Precision Machining*	IED (4802)	Principles of Precision Mach (7109) Precision Machining Fund (7105) Adv Prec Machining (7107)	Precision Machining Capstone (7219)
AM	Welding Technology*	IED (4802)	Principles of Welding Tech (7110) Shielded Metal Arc Welding (7111) Gas Welding Processes (7101)	Welding Technology Capstone (7226)
TDL	Aviation Management*	IED (4802)	Principles of Aviation Mgmt (7214) Private Pilot Theory (7217) Aviation Safety & Operations (7207)	Aviation Management Capstone (7218)
TDL	Auto Collision Repair*	IED (4802)	Principles of Collision Repair (7215) Automotive Body Repair (7204) Plastic Body Repair/Painting (7206)	Collision Repair Capstone (7380)
TDL	Automotive Services*	IED (4802)	Principles Automotive Svcs (7213) Brake Systems (7205) Steering and Suspensions (7212)	Automotive Service Capstone (7375)
TDL	Diesel*	IED (4802)	Principles of Diesel Services (7216) Diesel Steering and Brakes (7210) Diesel Transmissions (7211)	Diesel Services Capstone (7221)

Health Service Academy: Health Sciences (HS)

Cluster	Career Pathway	Sophomore Course Name	Junior Course Name	Senior Course Name
HS	Biomedical Sciences & Tech	Principles of Biomedical Sci (PBS) (5218)	Human Body Systems (HBS) (5216) or Anatomy and Physiology (5276)	Medical Interventions (MI) (5217)
HS	Exercise Science	Principles of Exercise Science (7320)	Kinesiology (7321)	NLPS: Human Performance (7322)
HS	Health Science - Pre-Nursing* (CNA)	Biomed (5218) or Principles Human Svs (7176)	Principles of Healthcare (7168) Medical Terminology (5274) Healthcare Specialist: C N A (7166)	Healthcare Specialist Capstone (7255)
HS	Pharmacy Technician*	Principles of Biomedical Science (5218)	PBS (5218)/HBS (5216) or AP Science @ CHS	Principles of Healthcare (7168) Medical Terminology (5274) Pharmacy Tech (7167)
HS	Central Service Tech/ Sterile Processing	Biomed (5218) or Principles Human Svs (7176)	Principles of Healthcare (7168) Medical Terminology (5274) Central Service Tech Fund (7163)	Central Service Technician Capstone (7257)
HS	Dental*	Biomed (5218) or Principles Human Svs (7176)	Principles of Dental Careers (7315) Dental Careers Fund (7316) Advanced Dental Careers (7317)	Dental Careers Capstone (7318)

Public Service Academy: Civic Arts (CA), Education & Training (ED), Agriculture, Food & Natural Res (AG), Hospitality & Tourism (HT), Law, Public Safety, Corrections & Security (LP), Human Services (HS)

Cluster	Career Pathway	Sophomore Course Name	Junior Course Name	Senior Course Name
ED	Human and Social Services	Principles of Human Services (7176)	Understanding Diversity (7174)	Relationships and Emotions (7177)
HT	Culinary Arts (CHS)	Principles of Culinary and Hospitality (7173)	Nutrition (7171)	Culinary Arts(7169)
CA	Civic Arts	Chorus or Band	Successive Progression in Chorus or Band	Successive Progression in Chorus /Band w/Portfolio & AP Music Th
ED	IUS Education	Principles of Human Services (7176)	7161 Principles of Teaching EDUC F200 7157 Child & Adolescent Development EDUC P214 6140 Adv CTE College Credit: Educ EDUCP312 3090 Adv Science CC: GEOG G107	7162 Teaching and Learning 7267 Capstone Public Speaking
AG	Landscaping Management	Principles of Business Mgmt (4562) or IED (4802)	Principles of Agriculture (7117) Horticultural Science (5132) Landscape and Turf Mgmt (7115)	Landscape Management Capstone (7234)
ED	Early Childhood	Principles Human Svs (7176)	Principles Early Child Educ (7160) Early Childhood Educ Curr (7158) Early Child Educ Guidance (7159)	TBD
HS	Cosmetology*	Principles Human Svs (7176) or Principles of Bus Mgmt (4562)	Principles Barbering/Cosmo (7330) Barbering/Cosmo Fund (7331) Advanced Cosmetology (7332)	Barbering and Cosmetology Capstone (7334)
HT	Culinary Arts*	Principles of Culinary and Hospitality (7173)	Principles/CulinaryHospitality (7173)/Tech Skills Dev (7156) Nutrition (7171) Culinary Arts (7169)	Culinary Capstone (7233)
LP	Criminal Justice*	Biomed (5218) or Principles Human Svs (7176)	Principles of Criminal Justice (7193) Law Enforcement Fund (7191) Corrections/Cultural Aware (7188)	Criminal Justice Capstone (7231)
LP	Fire & Rescue*	Biomed (5218) or Principles Human Svs (7176)	Principles of Fire and Rescue (7195) Fire Fighting Fundamentals (7189) Advanced Fire Fighting (7186)	Fire and Rescue Capstone/EMT (7229)

Course Offerings 2024-25

ENGLISH
ENGLISH 9
ENGLISH 9 HRS - PreAP I
ENGLISH 10
ENGLISH 10 HRS - Pre AP II
ENGLISH 11
AP ENG LANG
ENGLISH 12
ENGLISH 12 HRS
AP ENG LIT
ENGLISH AS A NEW LANG-LEVEL 1
ENGLISH AS A NEW LANG-LEVEL 2
ENGLISH AS A NEW LANG-LEVEL 3
ENGLISH AS A NEW LANG-LEVEL 4
MATH
ALGEBRA I
ALGEBRA I LAB
GEOMETRY
GEOMETRY HRS
ALGEBRA II
ALGEBRA II HRS
FINITE
FINITE HRS
PRECALCULUS HRS
AP CALCULUS
AP STATISTICS

SCIENCE
EARTH SPACE SCI/ENVIRONMENTAL SCI
BIOLOGY
BIOLOGY HRS
INT CHEM/PHYS
CHEMISTRY
CHEMISTRY HRS
AP CHEMISTRY - 2 periods
AP BIOLOGY - 2 periods
PHYSICS
AP PHYSICS
ANATOMY & PHYSIOLOGY HRS: 25- 26 school year
SOCIAL STUDIES
WORLD HISTORY
WORLD HISTORY HRS
US HISTORY
AP US HISTORY
US GOVERNMENT
US GOVERNMENT HRS
ECONOMICS
ECONOMICS HRS

GRADE 9 REQUIREMENTS
PHYSICAL EDUCATION I
PHYSICAL EDUCATION II
HEALTH WELLNESS
PREP FOR COLLEGE/CAREERS

Elective Course Offerings 2024-25

CHS Business and Engineering Courses
PRINCIPLES OF BUSINESS MANAGEMENT
MARKETING FUNDAMENTALS
ACCOUNTING FUNDAMENTALS
STRATEGIC MARKETING
PRINCIPLES OF BROADCASTING
AUDIO & VIDEO PRODUCTION
MASS MEDIA PRODUCTION
PROSSER Business Courses
DIGITAL DESIGN - INTERACTIVE MEDIA (1 YEAR)
ENTREPRENEURSHIP/MARKETING & FINANCE
INFO TECH OPER (CYBERSECURITY)
NETWORKING
SOFTWARE DEVELOPMENT (Programming)
CHS Engineering and Advanced Manufacturing Courses
INTRO TO ENGINEERING DESIGN
INTRO TO ENGINEERING DESIGN - DC
PRINCIPLES OF ENGINEERING
CIVIL ENGINEERING & ARCHITECTURE
Prosser Engineering and Advanced Manufacturing Courses
AUTO COLLISION REPAIR
AUTO SERVICES TECH
AVIATION MANAGEMENT
CIVIL CONSTRUCTION (HEAVY EQUIPMENT)
CONSTRUCTION TRADES - CARPENTRY
CONSTRUCTION TRADES - ELECTRICAL
CONSTRUCTION TRADES - HVAC
DIESEL SERVICES TECH
DESIGN TECHNOLOGY - DRAFTING
INDUSTRIAL AUTOMATION & ROBOTICS
PRECISION MACHINING
WELDING TECHNOLOGY

CHS Health Sciences & Public Service Courses
PRINCIPLES OF HUMAN SERVICES
UNDERSTANDING DIVERSITY
RELATIONSHIPS AND EMOTIONS
PRINCIPLES OF CULINARY AND HOSPITALITY
NUTRITION
CULINARY ARTS
PLTW PRINCIPLES OF BIOMEDICAL SCI
PLTW HUMAN BODY SYSTEMS
PLTW MEDICAL INTERVENTIONS
PRINCIPLES OF EXERCISE SCIENCE
KINESIOLOGY
HUMAN PERFORMANCE
Prosser Health Sciences & Public Service Courses
CERTIFIED NURSING AIDE
CENTRAL STERILE TECHNICIAN
COSMETOLOGY
CRIMINAL JUSTICE
CULINARY ARTS
DENTAL CAREERS
EARLY CHILDHOOD
FIRE & RESCUE AND EMT
LANDSCAPING
HEALTH SCI II: PHARMACY I YEAR (SR ONLY)
CHS GLOBAL ELECTIVES
INTRODUCTION TO 2D/3D ART
ADV 2D/3D ART
DRAWING/PAINTING
CERAMICS/SCULPTURE
INTRO TO HOUSING & INTERIOR DESIGN
ADV CHILD DEVELOPMENT
ADULT ROLES/PERSONAL FINANCE - Senior Only
BEGINNING CHORUS
INTERMEDIATE CHORUS
ADV CHORUS
VOCAL JAZZ - BY AUDITION
GUITAR (INSTRUMENTAL ENSEMBLE)

CHS GLOBAL ELECTIVES (Continued)
ADV GUITAR (INSTRUMENTAL ENSEMBLE II)
ELECTRONIC MUSIC - CREATING/PRODUCING
INT CONCERT BAND
MUSIC HISTORY & APPRECIATION
BUSINESS MATH - Senior Only
STUDENT MEDIA I/II YRBK
NOVELS: SPORTS LIT/SCI FICTION
FILM LIT/CREATIVE WRITING
SPANISH I – IV
ELECTIVE PE - SPORTS PERFORMANCE (WEIGHTS)
ELECTIVE PE - SPORTS PERFORMANCE (ADV) - teacher rec
ELECTIVE PE - TEAM SPORTS
ELECTIVE PE - SPORTS OFFICIATING \$\$, 2.0 GPA req.

PEER TUTORING - CHS
JUNIOR RESERVE OFFICER TRAINING CORPS at JHS (early arrival req)
CREDIT RECOVERY
<i>STUDENT ASSISTANT</i> – JR/SR, 2.75 GPA, 90% ATTENDANCE
<i>LIBRARY MEDIA</i>
<i>ADV SPEECH/PSYCH HRS- Senior Only</i>
<i>EDUC PROFESSIONS I – Senior Only</i>
<i>PEER TUTORING - Elementary (application req)</i>
<i>WORK BASED LEARNING - Senior Only, application req</i>
SUPPLY CHAIN MGMT & LOGISTICS UPS
<i>COOPERATIVE EDUC - Senior Only, application req</i>
<i>ETHNIC STUDIES</i>
<i>INDIANA STUDIES</i>

Prosser Courses Grades 11-12 Only

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 Honor's 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

Prosser Course Titles and Descriptions:

https://drive.google.com/file/d/1aH9ortO4s69s11K8OpvtUGF08dGQ_ZyP/view?usp=share_link

Course Offerings

Career Cluster: Advanced Manufacturing

1. Industrial Automation and Robotics

Description: In this program students will learn about today's industrial & manufacturing technologies in a hands-on environment. Students will learn about industrial safety, basics of electricity, fluid power, mechanical principles, AutoCAD, blueprint reading, industrial control wiring, motor controls, PLC's, robotic programming, and more! Students will also earn Industry standard certificates as part of their education as well: OSHA-10, NCCER Core, Fanuc Tool Handling & Programming, CPR/AED, & the MSSC CPT. In this program, students will have the knowledge and skills needed to go into a high-demand career upon completing high school.

Junior Year: 7108 Principles of Advanced Manufacturing
7103 Advanced Manufacturing Technology
7106 Mechatronics Systems

Senior Year: 2023 - 7224 Industrial Automation and Robotics Capstone

Dual Credits: Ivy Tech

Certifications:

2. Precision Machining

Description: 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.

Junior Year: 7109 Principles of Precision Machining
7105 Precision Machining Fundamentals
7107 Advanced Precision Machining

Senior Year: 2023 - 7219 Precision Machining Capstone

Dual Credits: Vincennes

Certifications:

3. Welding Technology

Description: 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.

Junior Year: 7110 Principles of Welding Technology

7111 Shielded Metal Arc Welding

7101 Gas Welding Processes

Senior Year: 2023 - 7226 Welding Technology Capstone

Dual Credits: Ivy Tech

Certifications:

Career Cluster: Agriculture, Food, and Natural Resources

4. Landscaping

Description: Landscaping 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 aeroponics.

Junior Year: 7117 Principles of Agriculture

5132 Horticultural Science

7115 Landscape and Turf Management

Senior Year: 2022/ 2023 - 7234 Landscape Management Capstone

Dual Credits: Vincennes

Certifications:

Career Cluster: Architectural and Construction

5. Civil Construction (Heavy Highway)

Description: 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, graders, dump trucks, and rubber-tired loaders. Curriculum includes knowledge of safety and preventative maintenance, surveying, road construction, and basic earthwork construction.

Junior Year: 7130 Principles of Construction Trades

7121 Civil Construction Fundamentals

7118 Advanced Civil Construction

Senior Year: 2023 - 7240 Civil Construction Capstone

Dual Credits: Ivy Tech

Certifications: **NCCER Core, Operator 1, Operator 2**

6. Construction Trades - Carpentry

Description: Construction students gain familiarity with all aspects of building commercial and residential structures. 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.

Junior Year: 7130 Principles of Construction Trades

7123 Construction Trades: General Carpentry

7122 Construction Trades: Framing and Finishing

Senior Year: 2023 - 7242 Construction Trades Capstone

Dual Credits: Ivy Tech

Certifications: **NCCER Core, Carpentry Level 1, Carpentry Level 2**

7. Construction Trades - Electrical

Description: Students in this program learn Commercial, Industrial, and Residential Electrical installation, and can complete years 1 and 2 of the Electrical Apprenticeship curriculum. Study of Electrical Theory, the National Electrical Code, along with Branch Circuit Wiring and Switch Control are a primary focus. Motors, Control Systems, Conduit Bending, and service entrance installation are also included. All students participate in Job Shadowing, Micro-Internships, and in the 2nd Semester of their Senior year work paid Internships. Over 20 College Credits, various certifications, and on the job training yield a high level of learning for these students and advanced placement in postsecondary apprenticeships, and gainful employment are to be anticipated. Students who choose the Prosser Adult Electrical Apprenticeship can enter the program after high school at the 3rd Year Level. This program, sponsored by the Associated Builders & Contractors, has yielded a large number of licensed Journeyman Electricians - including Prosser Graduates. Some by the age of 21 years old. Additionally an Associates Degree with Vincennes University can be achieved through this same program. All on our campus.

Junior Year: 7130 Principles of Construction Trades

7124 Electrical Fundamentals

7119 Advanced Electrical

Senior Year: 2023 - 7263 Construction Trades Electrical Cap

Dual Credits: Ivy Tech

Certifications: **NCCER Electrical 1**

8. Construction Trades - HVAC

Description: 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.

Junior Year: 7131 Principles of Heating, Ventilation, and Air Conditioning (HVAC)

7125 HVAC Fundamentals

7126 HVAC Service

Senior Year: 2023 - 7244 HVAC Capstone

Dual Credits: Ivy Tech

Certifications:

Career Cluster: Arts, AV Tech and Communication

9. Digital Design (Interactive Media) - One Year Program

Description: Interactive media students study the creation of digitally generated or enhanced projects using the most current industry base 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. This is a one year course.

Junior Year: 7140 Principles of Digital Design

7141 Digital Design Graphics

7138 Interactive Media Design

Senior Year: No Second Year

Dual Credits: No Dual Credits

Certifications: No Certifications

Career Cluster: Business Management

10. Entrepreneurship/ Marketing and Finance

Description: Students will learn essential skills that will prove very useful in starting their own businesses. Students will engage in networking, self-awareness, innovation, risk taking, problem solving, and personal growth opportunities to build confidence, courage, and growth mindset. Via the entrepreneurship process, students will discover, interpret, ideate, prototype, evolve and execute a real life problem solution of their choosing. Ample opportunities are provided for students to be empowered, participate in teamwork, public speaking, pitching, tours, guest speakers, and workshops.

Junior Year: Entrepreneurship Pathway

7154 Principles of Entrepreneurship

7148 New Venture Development

7147 Small Business Operation

Senior Year: Strategic Marketing Pathway

4562 Principles of Business Management

5914 Marketing Fundamentals

5918 Strategic Marketing

Dual Credits: Ivy Tech

Certifications:

Career Cluster: Education and Training

11. Early Childhood

Description:	An Early Childhood Education program at Prosser will help prepare students for a rewarding career teaching children in the preschool age range. Early childhood educators are responsible for caring for and educating young children. The areas of study within this career focus on both cognitive and social development. Prosser students will receive experience working with a wide range of students throughout the pre-school age range that include both traditional and special education classrooms.
Junior Year:	7160 Principles of Early Childhood Education 7158 Early Childhood Education Curriculum 7159 Early Childhood Education Guidance
Senior Year:	2023 TBD
Dual Credits:	Ivy Tech (In Development)
Certifications:	

Career Cluster: Health Sciences

12. Health Careers

Description:	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.
Junior Year:	7168 Principles of Health 5274 Medical Terminology 7166 Healthcare Specialist: CNA
Senior Year:	Still in Development
Dual Credits:	Ivy Tech
Certifications:	

13. Central Service Technician (Sterile Processing)

Description:	A central service technician is a medical professional who prevents infections by sterilizing, cleaning, processing, assembling, storing, and distributing medical supplies in a healthcare facility. ... They must conduct inventories and stock medical disposable goods in storage areas.
Junior Year:	7168 Principles of Health 5274 Medical Terminology 7163 Central Service Technician Fundamentals
Senior Year:	2023: 7257 Central Service Technician Capstone
Dual Credits:	Ivy Tech
Certifications:	

14. Dental Careers

Description: 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. The 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.

Junior Year: 7315 Principles of Dental Careers
7316 Dental Careers Fundamentals
7317 Advanced Dental Careers

Senior Year: 2023: 7318 Dental Careers Capstone

Dual Credits: Ivy Tech

Certifications:

15. Pharmacy Technician (Taught After Regular School Hours)

Description: This course introduces the student to the foundational principles, career concepts, and entry-level skills and duties typically performed by a pharmacy technician in community/retail, hospital/health system, and other pharmacy practice settings. Classroom and lab activities provide opportunities for demonstration of knowledge, understanding, and proficiency in technical and customer service applications related to the role and scope of practice of a pharmacy technician. Essential pharmacy calculations are presented with emphasis on the development of problem-solving skills for safe pharmacy practices.

Junior Year: 7168 Principles of Healthcare
5274 Medical Terminology
7167 Pharmacy Tech

Senior Year:

Dual Credits:

Certifications:

Career Cluster: Hospitality

16. Culinary Arts

Description: Culinary Arts students will successfully complete three 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.

Junior Year: 7173: Principles of Culinary and Hospitality
7171: Nutrition
7169: Culinary Arts

Senior Year: 2023: 7233 Culinary Arts Capstone

Dual Credits: Vincennes

Certifications:

Career Cluster: Human Services

17. Cosmetology

Description:	Cosmetology students learn a 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.
Junior Year:	7330 Principles of Cosmetology 7331 Cosmetology Fundamentals 7332 Advanced Cosmetology
Senior Year:	2023: 7334 Cosmetology Capstone
Dual Credits:	Vincennes
Certifications:	State Boards

Career Cluster: Information Technology

18. Cyber Security “Information Technology Operations”

Description:	In this course, students will learn fundamental cybersecurity topics including computer repair, the basics of cryptography, software security, networking fundamentals, basic system administration and investigate the fields of cybersecurity. The course is designed to address the fundamental implications of technology, the history of securing information and the relationship to the evolution of technology, and the need to securely transmit and store information. This is not a “hacking” class, but we do include the ways computers, programs, networks, and people are exploited by hackers, and what we can do to prevent or minimize the damage caused by bad actors.
Junior Year:	7183 Principles of Computing 7180 Information Technology Fundamentals 7181 Networking and Cybersecurity Operations
Senior Year:	2023: 7249 Cybersecurity Operations Capstone
Dual Credits:	Ivy Tech
Certifications:	

19. Software Development (Programming)

Description:	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 database administration and data maintenance. Students will be introduced to data concepts such as data warehousing, data mining and BIG data.
Junior Year:	7183 Principles of Computing 7185 Website and Database Development 7184 Software Development
Senior Year:	2023: 7253 Software Development Capstone
Dual Credits:	Ivy Tech
Certifications:	

20. Networking

Description:	A network student learns the skills for implementing, maintaining, troubleshooting and repairing computer and network systems. Network technicians set up Internet connections, establish different types of networks and connect them.
Junior Year:	7183 Principles of Computing 7180 Information Technology Fundamentals 7182 Networking Fundamentals
Senior Year:	2023: 7251 Networking Capstone
Dual Credits:	Vincennes
Certifications:	

Career Cluster: Public Safety

21. Criminal Justice

Description:	Criminal Justice students will study the basic fundamentals of law enforcement and the criminal justice system as well as explore the many other career opportunities in Criminal Justice to include, but not limited to: Social Work, Paralegal, and Corrections. 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.
Junior Year:	7193 Principles of Criminal Justice 7191 Law Enforcement Fundamentals 7188 Corrections and Cultural Awareness
Senior Year:	2023: 7231 Criminal Justice Capstone
Dual Credits:	Vincennes
Certifications:	

22. Fire Rescue and EMT

Description:	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.
Junior Year:	7195 Principles of Fire and Rescue 7189 Fire Fighting Fundamentals 7186 Advanced Fire Fighting
Senior Year:	2023: 7229 Fire and Rescue Capstone - EMT Certification
Dual Credits:	Ivy Tech
Certifications:	Firefighter I, Firefighter II

Career Cluster: STEM

23. Design Technology (Drafting)

Description:	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.
Junior Year:	4802 Introduction to Engineering Design 7196 Mechanical and Architectural Design 7197 BIM Architecture
Senior Year:	2023: 7225 Architectural Design Capstone
Dual Credits:	Ivy Tech
Certifications:	

Career Cluster: Transportation, Distribution, and Logistics

24. Automotive Services

Description:	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.
Junior Year:	7213 Principles of Automotive Services 7205 Brake Systems 7212 Steering and Suspensions
Senior Year:	2023: 7375 Automotive Service Capstone
Dual Credits:	Vincennes
Certifications:	

25. Automotive Collision Repair

Description:	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.
Junior Year:	7215 Principles of Collision Repair 7204 Automotive Body Repair 7206 Plastic Body Repair and Paint Fundamentals
Senior Year:	2023: 7380 Collision Repair Capstone
Dual Credits:	Vincennes
Certifications:	ICAR

26. Aviation Careers

Description:	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,
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general aviation, air-freight, airport management, and government service. Second year students will experience actual flight time arranged so that a full schedule at their homeschool is possible.

Junior Year: 7214 Principles of Aviation Management
7217 Private Pilot Theory
7207 Aviation Safety and Operations

Senior Year: 2023: 7218 Aviation Management Capstone

Dual Credits: Vincennes

Certifications:

27. Diesel Services

Description: 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. Instructions 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.

Junior Year: 7216 Principles of Diesel Technology
7210 Diesel Steering and Brakes
7211 Diesel Transmissions

Senior Year: 2023: 7221 Diesel Services Capstone

Dual Credits: Vincennes

Certifications:

Students who wish to pursue a Prosser/Vincennes University Early College certificate or degree or an Ivy Tech 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 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