

Medical / Health Sciences	Advanced Manufacturing	Entrepreneurship	Engineering
<p>Elementary</p> <ul style="list-style-type: none"> Spanish language, Gr. K-5 STEM / MakerSpace course, Gr. K-5 Project Lead the Way (PLTW) Launch <ul style="list-style-type: none"> k-Human Body 1st-Animal Adaptations 2nd-The Changing Earth 3rd-Variation of Traits 4th-Human Brain 5th-Infection: Detection <p>Middle School</p> <ul style="list-style-type: none"> PLTW Medical Detectives College and Career Readiness Spanish and Chinese languages High Level Math & Science: <ul style="list-style-type: none"> Algebra I (H.S. credit) Geometry (H.S. credit) Biology I (H.S. credit) <p>High School</p> <p>High Level Sciences:</p> <ul style="list-style-type: none"> AP Chemistry Biology II * <p>High Level Math:</p> <ul style="list-style-type: none"> Adv. Math & Trig * AP Calculus AB * AP Calculus BC * <p>PLTW Biomedical Sciences:</p> <ul style="list-style-type: none"> Principles of Biomedical Sciences Human Body Systems Professional Career Internship <p>Ivy Tech while in High School</p> <ul style="list-style-type: none"> Anatomy and Physiology I Anatomy and Physiology II Medical Terminology Technical Cert. or TGEC coursework <p><u>H.S. Graduation & Ivy Tech Certificate</u></p> <ul style="list-style-type: none"> Technical Cert. (Medical Assisting) Associate of Applied Sci. (Pre-nursing) Transfer General Education Core (TGEC) 	<p>Elementary</p> <ul style="list-style-type: none"> Spanish language, Gr. K-5 STEM / MakerSpace course, Gr. K-5 Project Lead the Way (PLTW) Launch <ul style="list-style-type: none"> k-Exploring Design; Pushes and Pulls 1st-Light and Sound;Sun, Moon and Stars 2nd-Properties of matter; Form and Function 3rd-Science of Flight; Forces and Interactions 4th-Collisions; Conversion 5th-Robotics and Automation <p>Middle School</p> <ul style="list-style-type: none"> Construction College and Career Readiness Spanish and Chinese languages <p>High School</p> <ul style="list-style-type: none"> Conexus Indiana HIRE Technology: <ul style="list-style-type: none"> Intro to Advanced Manufacturing and Logistics Advanced Manufacturing I Cub Manufacturing Automotive Southeastern Career Center: <ul style="list-style-type: none"> Precision Machining I and II Diesel Technology <p>Ivy Tech while in High School</p> <ul style="list-style-type: none"> Welding I and II Technical Certificate or TGEC coursework <p><u>H.S. Graduation & Ivy Tech Certificate</u></p> <ul style="list-style-type: none"> Industrial Technology - Welding Industrial Technology - Electrical Industrial Technology - Mechanical Transfer General Education Core (TGEC) 	<p>Elementary</p> <ul style="list-style-type: none"> Spanish language, Gr. K-5 STEM / MakerSpace course, Gr. K-5 Project Lead the Way (PLTW) Launch <ul style="list-style-type: none"> k-Animals and Algorithms 1st-Animated Storytelling 2nd- Grids and Games 3rd-Programming Patterns 4th-Computer Systems 5th-Infection-Modeling and Simulation <p>Middle School</p> <ul style="list-style-type: none"> Computer Coding and Web Design PLTW Energy and the Environment Financial Literacy 2-D & 3-D Art (business perspective) Theater/Dramatics (communication) College and Career Readiness Spanish and Chinese languages <p>High School</p> <ul style="list-style-type: none"> Business: <ul style="list-style-type: none"> Business Law & Ethics * Entrepreneurship Principles of Marketing AP Statistics Computer Science <ul style="list-style-type: none"> PLTW Intro to Computers PLTW Computer Science Hospitality (e.g., Culinary Arts) Art Academy Courses: <ul style="list-style-type: none"> Fine Arts/Theater/Music Music Appreciation * Agriculture: <ul style="list-style-type: none"> Agribusiness Adv. Life Science Animals * Food Science * <p>Ivy Tech while in High School</p> <ul style="list-style-type: none"> Technical Certificate or TGEC coursework <p><u>H.S. Graduation & Ivy Tech Certificate</u></p> <ul style="list-style-type: none"> Vertical articulation currently in development Transfer General Education Core (TGEC) 	<p>Elementary</p> <ul style="list-style-type: none"> Spanish language, Gr. K-5 STEM / MakerSpace course, Gr. K-5 Project Lead the Way (PLTW) Launch <ul style="list-style-type: none"> k-Exploring Design; Pushes and Pulls 1st-Light and Sound;Sun, Moon and Stars 2nd-Properties of matter; Form and Function 3rd-Science of Flight; Forces and Interactions 4th-Collisions; Conversion 5th-Robotics and Automation <p>Middle School</p> <ul style="list-style-type: none"> PLTW Robotics PLTW Gateway to Technology PLTW Design and Modeling High Level Math & Science: <ul style="list-style-type: none"> Algebra I (H.S. credit) Geometry (H.S. credit) Biology I (H.S. credit) College and Career Readiness Spanish and Chinese languages <p>High School</p> <p>High Level Math & Science:</p> <ul style="list-style-type: none"> Adv. Math & Trig * AP Calculus AB * AP Calculus BC * Physics <p>PLTW Engineering:</p> <ul style="list-style-type: none"> Intro to Engineering Design * Principles of Engineering * Digital Electronics * Engineering Design & Development * <p>Ivy Tech while in High School</p> <ul style="list-style-type: none"> Technical Certificate or TGEC coursework <p><u>H.S. Graduation & Ivy Tech Certificate</u></p> <ul style="list-style-type: none"> Vertical articulation currently in development Transfer General Education Core (TGEC)