

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

\* Students are awarded high school credit and Ivy Tech Community College credit upon successful completion of course.