

New Courses

Course Code	Class	Grade	Required Prerequisites	Credits	Course Descriptions	Dual Credit	Notes	Board Approved?
7218	Technical Math	10-12	Algebra I	2	Technical Math designed to help students develop mathematical reasoning and real-world skills in analyzing verbal and written descriptions, translating them into algebraic, geometric, trigonometric, and statistical statements and applying them to solve problems in fabrication, manufacturing, and business. The course will include at least six lab activities or projects to allow faculty and students to apply mathematics principles to work-related situations.		Provides a new option for students to complete their math credits under the new graduation requirements	
7162	Teaching and Learning (EDUC 201)	10-12	Principles of Teaching	2	This course provides students the opportunity to apply many of the concepts that they have learned throughout the Education Professions pathway. In addition to a focus on best practices, this course will provide an introduction to the role that technology plays in the modern classroom. Through hands-on experience with educational software, utility packages, and commonly used microcomputer hardware, students will analyze ways to integrate technology as a tool for instruction, evaluation, and management.	Ivy Tech - 3 Credits	1 of the 2 concentrators needed for a student to complete the education/teaching pathway	
7145	Digital Marketing	10-12	Principles of Business Management	2	This course provides an introduction to the world of e-commerce and digital marketing media. The course covers how to integrate digital media and e-commerce into organizational and marketing strategy. Students will explore e-commerce applications and the most popular digital marketing tactics and tools. Emphasizes familiarity with executing digital media, understanding the marketing objectives that digital media can help organizations achieve, and establishing and enhancing an organization's digital marketing presence.		Adds an alternative to accounting for the business pathway completion	
4042	Jewelry 2	9-12	Jewelry 1	1	This course will continue your education in the art and craft of jewelry design and fabrication. You will learn essential techniques in beadwork, metal, wire wrapping, use of clay and other various materials while exploring both traditional and contemporary methods creatively.			
1096	Technical Communication	10-12		1	Technical Communication, a course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the processes and conventions needed for effective technical writing-communication. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. The course can be offered in conjunction with a literature course, or schools should embed Indiana Academic Standards for English/Language Arts reading standards within the curriculum.		Fulfills new expectation in the new graduation requirements	
2566	Pre-Calculus: Trigonometry	10-12	Algebra II	1	Pre-Calculus: Trigonometry provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry provides the foundation for common periodic functions that are encountered in many disciplines, including music, engineering, medicine, finance, and nearly all other STEM disciplines. Trigonometry consists of six strands: Unit Circle; Triangles; Periodic Functions; Identities; Polar Coordinates and Complex Numbers; and Vectors. Students will advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates.		Adds an additional level of pre-calc for college-bound students	
7157	Child and Adolescent Development	10-12	Principles of Teaching	2	This course examines the physical, social, emotional, cognitive, and moral development of the child from birth through adolescence with a focus on the middle years through adolescence. Basic theories of child development, biological and environmental foundations of development, and the study of children through observation and interviewing techniques are explored. The influence of parents, peers, the school environment, culture, and the media are discussed.		Necessary concentrator course for the Education CTE pathway	
7278	Community Health Worker	10-12	Principles of Human Services	2	Community Health Worker (Advance Social and Community Services) provides students with the opportunity to increase their effectiveness in helping people. Students will examine the helping process in terms of skill, helping stages, and issues involved in a helping relationship. Additionally, background knowledge of the field of intellectual and developmental disabilities and issues pertaining to the field will be provided.		Necessary concentrator course for the Social and Community Services CTE pathway	
7256	Business Administration Capstone	12	Marketing Fundamentals and either Accounting Fundamentals or Digital Marketing	2-6	The Business Administration Capstone course will allow students to explore advanced topics in business leadership including Human Resources and International Business. Additionally students will have the chance to complete Managerial Accounting. Throughout the course students will develop business communication skills through work on projects, labs, and simulations. All of these courses represent key business competencies required by nearly all postsecondary Business schools.		Capstone course for our in-house business CTE pathway	
7308	Radio & TV Broadcasting Capstone	12	Mass Media	2-6	This course will cover a variety of domains further building on skills in video production, and broadcast industry practices specific to radio, television, and digital media. Attention will be given to cross-industry synergies, emerging technologies, and the global market for media. Students are highly encouraged to do a video newscast or radio practicum to gain real world experience. In most cases this practicum may be completed through a school-based enterprise.		Capstone course for our in-house Radio & TV CTE pathway	
7242	Construction Trades Capstone	12	Construction Trades: Framing & Finishing	2-6	The Construction Trades Capstone course covers the basics of electricity and working with concrete. Electrical topics include the National Electric Code, electrical safety, electrical circuits, basic electrical construction drawings, and residential electrical services. Students may also gain an understanding of concrete properties, foundations, slab-on-grades, and vertical and horizontal formwork. The course prepares students for the NCCER Carpentry Forms Level 3 and Electrical Level 1 certificates.		Capstone course for our in-house construction trades CTE pathway	
7267	Education Professions Capstone	12	Teaching and Learning; Child and Adolescent Development	2-6	The Education Professions Capstone provides an extended opportunity for field experience to further apply concepts that have been presented throughout the pathway. Students will also have the opportunity to explore the topics of the exceptional child and literacy development through children's literature. Students will gain a deeper understanding of inclusive teaching techniques along with policies, theories, and laws related to special education. Students interested in pursuing a career in Elementary Education are encouraged to also study the benefits of using children's literature in the classroom. This course may be further developed to include specific content for students interested in pursuing a career in secondary education. The course should include a significant classroom observation and assisting experience.		Capstone course for our in-house Education CTE pathway	

7279	Social and Community Services Capstone	12	Community Health Worker	2-6	Social and Community Services Capstone introduces professional development and employment opportunities for Community Health Workers and Case Managers. The course includes assessment strategies and treatment planning in addition to examining theories and research related to behavioral health and abnormal behavior in the healthcare setting. Primary emphasis will be on symptoms, communication strategies, and interaction with individuals. The course will explore fundamental concepts of diversity, intellectual and developmental disabilities, addiction, and wellness as they apply to quality of life across the adult lifespan. In this course students will explore care coordination, case management, coaching, cultural competencies, Human Services Code of Ethics, and issues pertaining to community social services. This course will provide practical and useful information regarding service availability and community resources for individuals and families' quality of life.		Capstone course for our in-house Social and Community Services CTE pathway	
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