COURSE TITLE: 8210 Digital Graphic Arts

This course provides a foundation for students in manufacturing processes and systems, including graphic design production and product innovation and design. Students in this course will receive instruction that integrates academic and technical preparation and focuses on career awareness, career exploration, and skill preparation in the Graphic Production Technologies pathway within the Manufacturing and Product Development sector .The course will emphasize real-world, occupationally relevant experiences of significant scope and depth in manufacturing. The knowledge and skills are acquired within a sequential, standards-based course of study that integrates hands-on and project-based instruction. Selected standards in this course are designed to prepare students for entry to a career, postsecondary education, or advanced technical training.

RCOE Intermediate Digital Graphic Arts (MAN) explores the generation and manipulation of digital art and photographs using industry standard software. Students will use effective visual communication as they explore a variety of design techniques. Students will learn to create artwork that is output ready on various platforms. This class is geared toward the cultivation of work to be included in the student's final portfolio.

The goals of the course are to familiarize the student with basic principles and fundamentals in visual art and design. Develop basic skills using tools and theory used in design process. Understand the creative process, develop techniques and methods of creative problem solving. Introduce terminology necessary to communicate concepts and theory in art and design. Create computer-based projects using Adobe Photoshop and Illustrator software programs.

The overarching outcomes of this course are for students to gain a general understanding of the basic principles and fundamentals in visual art and design. In addition to acquiring technical skills, students will have improve their ability to effectively communicate develop and/or enhanced reasoning skills; ability to conduct themselves in a professional manner and work as a team to meet deadlines and complete projects.

CORE CONCEPTUAL UNDERSTANDINGS ACQUIRED

- Apply and demonstrate an understanding of the psychology of color, color theory and basic graphic design principles to achieve effective visual communication.
- Apply and demonstrate an understanding of graphic design software as a means of creating effective communication and technical illustrations

LEARNING SKILLS ACQUIRED
Critical thinking, Creative thinking, Communicating, and Collaboration

SOCIAL SKILLS ACQUIRED
Gaining ideas, information, techniques and perspectives from others; providing your own perspective for the benefit of others; listening to and receiving differing perspectives, opinions with an open mind; accomplishing tasks and collaborating with others toward a shared goal; providing mutual support for difficult or hard-to-navigate situations; expanding your network to learn about and pursue new opportunities; effective communication; conflict resolution; consensus building.