

CTE	Career and Technical Education				
Course #	Course	Description	Grade Level	Prerequisites	Notes
11103	RADIO STATION OPER 1	<p>The Radio Broadcasting course is unique because the students work to solve audio production tasks on 2-3 large projects about Jazz artists, Community Service or Theme-based projects in audio production. The skills necessary to succeed are solid research skills, studio audio production (both on-air and prerecorded), along with willingness to apply hard work to clarify and communicate themes and issues effectively in digital audio recording and editing. All students are challenged to continually apply effort to advance their learning. Students will create audio productions for the KBEM FM radio programming aired to the 5 state area. Students will gain expertise in audio editing and audio board operation, music selection, project documentation and intermediate audio production skills. Throughout the course, educational progress is expected and will be supported. This course will also further prepare students to work in the field of Audio Production or Communications Media career major.</p> <p>To enable screen reader support, press shortcut Ctrl+Alt+Z. To learn about keyboard shortcuts, press shortcut Ctrl+slash.</p>			
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910001	Emerging Technologies	<p>Emerging Technologies class is designed as a companion or bridge to technology certification classes. The focus is on technology trends and how they impact us. Labs provide practice in using current devices, programs and services. An important aspect of all topics is risk management: when using newer versions of technologies, it is critical to understand implications for safety and strategic investment of time and limited resources. Hands-on activities will provide valuable experience for students including management of social media, e-commerce, networks (PANs, LANs, WANs) and how to capitalize on their interest in technology.</p>	9		
	IC3				
95616	Computer Science Principles	<p>This course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course can be a student's first course in computer science, although we encourage students without prior computing experience to start with Introduction to Computer Science. This course helps students develop programming expertise and explore the workings of the internet. Projects and problems include app development, visualization of data, cyber security, robotics, and simulation. The course aligns with CSTA 3B standards.</p>			

	Robotics	<p>Robotics is an introduction to industrial design and problem solving focusing on robots to solve industrial problems. Students will learn basic electronic control and some elements of advanced programming logic. This course also includes more time for several student explorations in mechanics. Students should be actively engaged in inquiry-based lessons that teach lessons on mechanical advantage, measurement, ratios and proportions. Students will be involved an open-ended challenge where they will get practice with problem solving, teamwork, and project management.</p>			
92406	Adobe Photoshop	<p>This course introduces the student to common features of Adobe Photoshop, and provides daily practice in using the features, in order to develop proficiency. This course culminates in an opportunity to take the Adobe Certified Expert (ACE) certification test, which is recognized as a skill standard in the field of digital media.</p>			