

2021-2022 Career-Technical Programs

Here is a list of all VSCTC programs with a brief description and campus location. For more information, visit vsctc.org. Want a different look at the VSCTC experience? Visit vsctcignite.org on your mobile device.



Agriculture and Science Technology* - Obtain skills related to agricultural, food, fiber, and natural resources with an emphasis in science. Develop basic animal, plant, welding, woodworking, mechanical, and general agricultural skills. *Sentinel*

AIM Industries - This in-school, student-run manufacturing laboratory exposes students to the potential of manufacturing related careers. *Sentinel & Vanguard. Students from both schools train on the Vanguard Campus.*



Automotive Technology* - Learn to diagnose, maintain and repair performance-related vehicle problems, and use advanced computer technology and techniques to troubleshoot various vehicular challenges. Acquire knowledge of proper industry-wide safety measure and problem-solving techniques related to the automotive industry. *Sentinel & Vanguard.*

Bronze- Health - Learn about the field of Direct Support through in-class training and on-site internships. Assist patients with daily activities and encourage attitudes and behaviors that promote community inclusion. Gain introductory knowledge of ethics, health & safety, interpersonal communication, crisis intervention, and assessments. *Sentinel & Vanguard. Students from both schools train on the Vanguard Campus. Senior Only.*

Bronze- Manufacturing - Gain introductory knowledge of manufacturing skills that provide a pathway to manufacturing related careers. Obtain knowledge on safety, reading and using drawings, proper use of hand and power tools, and manufacturing practices and processes. *Sentinel & Vanguard. Students from both schools train on the Vanguard Campus. Senior Only.*

Bronze – Business - Explore Business, Marketing, and Finance concepts that give an overview of the retail industry and its many important components including sales and service, products and merchandising, as well as gaining customer commitment. *Sentinel & Vanguard. Students from both schools train on the Vanguard Campus. Senior Only.*



Building Construction Trades* - Learn safe and proper use of hand and power tools, read and interpret blueprints and drawings, and develop an understanding of construction math. Hands-on experience with residential framing, interior and exterior finish work, and concrete and masonry skills. *Sentinel & Vanguard.*



Business Management* - Gain introductory knowledge of business management and marketing concepts. You will also learn to use financial tools, strategies, and systems to develop and monitor personal financial goals. *Vanguard.*

Career Exploration - Explore various career fields and labs offered at VSCTC and gain insight into the career field(s) and opportunities available to you as a program student while receiving high school credit. *Sentinel & Vanguard. Freshman & Sophomores.*



Careers In Education* - Gain a solid foundation for a successful career as an elementary/secondary teacher or other professions in education-related fields. Explore learning styles and teaching strategies that lead to a career in education. *Sentinel.*



Collision Repair Technology* - Assess and estimate damaged vehicles. Repair and refinish the interior and body of damaged vehicles. Learn proper/safe use and care of air tools, power tools, and body tools. *Sentinel & Vanguard.*



Computer Information & Support Services* - Learn computer hardware & software troubleshooting and support. Configure operating systems and learn microcomputer technologies. Learn network support fundamentals/SOHO and wireless networks, as well as telecommunications cabling, virus prevention and removal skills, and database management. *Vanguard.*

Connections - Learn in an engaging environment for future job opportunities in the workforce including: construction, electrical, plumbing, culinary, and agricultural. Obtain knowledge of appropriate safety and operational procedures for a variety of tools in a variety of career modules. *Vanguard.*



Cosmetology* - Develop a comprehensive understanding of advanced techniques to deliver a variety of hair styling, skin care, and nail treatments. Learn general salon management and operation techniques, and gain salon/customer experience in a full-service salon. *Sentinel & Vanguard.*



Criminal Justice* - Develop an understanding of the Criminal Justice System, learn basic skills of crime scene investigation, how to conduct criminal investigations and apply powers of arrest/Laws of the State of Ohio. Emergency management and response will also be explored. *Vanguard.*



Culinary Arts & Hospitality Management* - Explore all aspects of fine dining and food preparation, acquire knowledge and learn the proper use of kitchen utensils and equipment to develop industry accepted safety practices. *Sentinel & Vanguard.*



Digital Media Technologies* - Create 3D video animation, learn video production and editing using state-of-the-art video equipment and software, and experience DSL Photography and TV studio production. Design video games, interactive applications, web pages and learn computer programming, emerging cloud technologies, and cyber security. *Vanguard.*



Digital Technologies* - Learn computer programming and app development. Gain computer repair and system support techniques and knowledge. Experience video and photo editing using high-demand software. Create high-impact web pages, video games, animation, and graphics using advanced programming and software applications. *Sentinel.*



Early Childhood Education* - Understand growth and development of children ages birth-eight. Learn the method of planning, writing, and implementing lesson plans. Assist in running a state licensed preschool and interact daily with preschool children while developing a mastery of early childhood education theories. *Vanguard.*



Electrical Trades* - Learn basic A.C and D.C theory and how to install and maintain low voltage systems. Install and maintain wiring circuits for residential, commercial, and industrial systems. Operate industrial controls and understand alternative power energy fundamentals and PLC (Programmable Logic Controls). *Sentinel & Vanguard.*



Engineering Technologies & Robotics* - Create, design, and implement solutions to complex engineering challenges, utilize advanced design, engineering, and manufacturing software, and use STEM to explore mechanical, electrical and engineering technologies. *Sentinel & Vanguard.*



Health Careers Academy* - Use state-of-the-art medical and health care equipment along with related STEM courses to prepare for further study in the industry. Learn basic and advanced health care skills in nurse assisting, medical assisting, laboratory, dental and physical therapy. *Sentinel & Vanguard.*

Independent Living - Prepare to live independently after graduation, set personal and professional goals, learn money management, and nutritional aspects of meal planning and food safety. Assistive technologies and differentiated learning opportunities are used to enhance learning and optimize student success. *Sentinel & Vanguard.*

Nail & Esthetics - Train with hands-on, practical experiences in a supportive environment to become a qualified beauty professional with multiple skills and learn high-end skin and nail care services. *Sentinel. Junior & Senior Only.*



Precision Machining* - Apply concepts of various manufacturing technologies on both manual and state-of-the-art CNC machine tools. Utilize advanced computer-controlled technology to design, create and build high-tech precision parts and tools. Program and operate advanced equipment to perform a variety of manufacturing applications. *Sentinel.*



Public Safety* - Learn law enforcement terminology, classification, and elements of crime. Collect and analyze evidence such as fingerprints, ballistics, and blood spatter. Develop prevention, detection and reaction skills, and self-defense and subject control techniques. Discover how to conduct patrols, surveillance and traffic procedures. *Sentinel.*



State Tested Nurse Aide* - Gain knowledge and practice medical procedures in various health care related careers. Practice a variety of health care processes, techniques, and diagnostic procedures in a professional environment. Use STEM classes to better understand the human body and its health-related concerns. *Sentinel. Senior Only.*



Welding & Metal Fabrication* - Learn basic welding and metal cutting procedures, develop the foundation and fundamentals of metal forming, and apply the basics of metal fabrication. Gain technical knowledge of related welding and fabrication processes, and develop proficiency in blueprint interpretation. *Sentinel & Vanguard.*



*College Credit Plus (CCP) classes are embedded in the curriculum of these programs, allowing students to earn transcribed college credits while still in high school.