

THE VANGUARD TECH CENTER: FREMONT CAMPUS

Programs & Course Topics

AIM Career Tech Programs are listed on a separate sheet.



College Credit Plus (CCP)

AUTOMOTIVE TECHNOLOGY

- Automotive Brakes/Braking Systems and Repair
- Automotive Steering and Suspension Systems and Repair
- Automotive Maintenance and Light Repair
- Automotive Engine Performance Systems and Repair
- Automotive Electrical and Electronics Systems and Repair

BUILDING CONSTRUCTION TRADES

- Construction Materials, Fasteners, and Adhesives
- Footing and Foundations
- Floor Framing
- Wall Framing
- Stairs and Roof Framing
- Interior and Exterior Finishes
- Construction Safety

College Credit Plus (CCP)

BUSINESS MANAGEMENT

- Marketing
- Business Management
- Entrepreneurship
- Personal Finance
- Business Technology
- Advertising
- Business Foundations

COLLISION REPAIR TECHNOLOGY

- Shop Safety and Efficiency
- Hand, Power, and Air Tool Technology
- Body Fillers and Plastic Bumper Repair
- Unibody Frame Repair and Alignment – Chief Laser Lock Measuring System
- Painting, Refinishing, & Color Matching
- Sheet Metal and Welding Replacement
- Repairing and Replacing Hood, Bumper, Fender, etc.

College Credit Plus (CCP)

COMPUTER INFORMATION & SUPPORT SERVICES

- Test out PC Pro – Computer Software & Hardware Support
- Arduino® & Raspberry Pi® – Micro Computing
- Telecommunication Cabling – Cabling Technician
- Database Management

College Credit Plus (CCP)

COSMETOLOGY

- Anatomy/Physiology – Structure of Skin, Hair, Nails
- Infection Control/Hygiene – Diseases and Disorders of Hair, Skin, and Nails
- Hair Care – Hair Design, Hair Cutting, Coloring, Styling
- Nail Care – Manicures, Pedicures, Artificial Nails, Gel Polishes
- Skin Care – Makeup Applications, Facial Massage, Preserving Health of Skin
- Basic Business Skills – Communication Skills, Professional Image

College Credit Plus (CCP)

CRIMINAL JUSTICE

- Crime Scene Investigation
- Courtroom Procedures/Mock Trials
- Corrections/Probation
- Forensic Science/Psychology
- Ohio Criminal Code (Laws of the State of Ohio)
- Homeland Security/Terrorism
- Cultural Diversity

College Credit Plus (CCP)

CULINARY ARTS & HOSPITALITY MANAGEMENT

- Safety and Sanitation
- Food Preparation
- Customer Service
- Business Management
- Marketing
- Baked Goods and Pastries
- Introduction to the Hospitality Industry



College Credit Plus (CCP)

DIGITAL MEDIA TECHNOLOGIES

- Video and Sound Production
- Media Development
- Game Programming - Development and Design
- 2D & 3D Animation
- Photography – Digital Composition
- Program Capstone – Focus on your career pathway

College Credit Plus (CCP)

EARLY CHILDHOOD EDUCATION

- Prepare and Maintain a Safe Environment for Learning
- Write and Understand a Curriculum
- Master the Growth and Development Milestones of Children Birth – Eight
- Use Developmentally Appropriate Practices in the Classroom
- Child Abuse Recognition and Prevention
- Guidance Theory vs. Discipline in the Preschool Environment
- Physical, Cognitive, and Social-Emotional Development of Children

College Credit Plus (CCP)

ELECTRICAL TRADES

- Electrical Equipment, Power, and Hand Tools
- Wiring of Simple to Complex Electrical Circuits
- Design and Set-up Electrical Circuits to Troubleshoot Problems
- Use of Meters and Equipment
- Wire, Solar, and Wind Energy Projects

College Credit Plus (CCP)

EXERCISE SCIENCE

- Anatomy and Physiology
- Medical Terminology
- Fitness Testing and Assessment
- Nutrition
- Injury Recognition
- Treatment and Prevention
- Exercise Prescription
- Biomechanics of Exercise

College Credit Plus (CCP)

HEALTH CAREERS ACADEMY

- Medical Terminology
- Human Anatomy & Physiology
- Human Disease and Disorder
- Infection Control and Safety
- Legal and Ethical Issues
- Careers in Health Care
- Patient-Centered Care

College Credit Plus (CCP)

MANUFACTURING TECHNOLOGIES & ROBOTICS

- Basic Electricity/Electronics
- 2D & 3D Computer Aided Design (CAD) and Solid Modeling
- Programmable Logic Controllers (PLC)
- Manual Machining
- Robotic Application and Programming
- Computer Numerical Control Programming (CNC)
- Computer Aided Manufacturing Programming (CAM)

College Credit Plus (CCP)

STEP (STUDENTS TRANSITIONING TO EMPLOYABILITY WITH PURPOSE)

- Problem-Solving Skills
- Time and Resource Management
- Experience Simulated Work Environments
- Leadership and Collaborative Work Skills
- Proper Use and Maintenance of Tools, Equipment, Supplies, and Facilities in a Professional Manner
- Small Animal Care Techniques
- Professional Communication Techniques for Workforce

College Credit Plus (CCP)

WELDING & METAL FABRICATION

- Cutting with OGC, OGC-M, PAC, CAC-A, & PAC TABLE
- Use of Roll Former, Break Press, Ironworking, and Other Trade Common Machinery
- Blueprint and Welding Symbol Interpretation
- Use of Hand Tools Common to the Trade
- Fitting Assemblies to the Print
- Technical Knowledge of Processes



VANGUARD SENTINEL
CAREER & TECHNOLOGY
CENTERS
Learning Today, Leading Tomorrow

Vanguard Tech Center - VTC
1306 Cedar Street, Fremont, OH 43420
419-332-2626

vsctc.org



LEARN MORE

Visit www.vssc.k12.oh.us/programs

College Credit Plus (CCP)

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.