

SENTINEL CAREER & TECHNOLOGY CENTER: TIFFIN CAMPUS

Programs & Course Topics

AIM Career Tech Programs are listed on a separate sheet.



ADVANCED NAIL TECHNOLOGY

- Anatomy/Physiology – Structure of Skin and Nails
- Infection Control/Hygiene – Diseases and Disorders of Skin and Nails
- Nail Care – Manicures, Pedicures, Artificial Nails, Gel Polishes
- Basic Business Skills – Communication Skills, Professional Image

AGRICULTURE SCIENCE & TECHNOLOGY

- Animal Science
- Plant Science
- Mechanical Principals
- Business Management
- Communication and Leadership
- Life Skills
- Career Development Events

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

CAREERS IN EDUCATION

- Understand the learning process for all age groups and diverse students
- Organize, design, and present lessons plans utilizing state curriculum & standards
- Learn effective teaching methods and strategies
- Understand history of education, school finance, and school law
- Obtain first-hand internships and experience in local classrooms
- Participate in Educators Rising

CERTIFIED NURSING ASSISTANT

- Medical Terminology
- Legal and Ethical Issues
- Careers in Health Care
- Introduction to Human Anatomy & Physiology
- Infection Control and Safety

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, and Color Matching
- Sheet Metal and Welding Replacement
- Repairing and Replacing Hood, Bumper, Fender, etc.

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
- Enjoy the ability to experience a local salon while participating in Internships

*3-year program (Senior)

CULINARY ARTS & HOSPITALITY MANAGEMENT

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

DIGITAL TECHNOLOGIES

- IT Essentials – Computer and Software Repair and Installation
- Web Development
- Video and Audio Editing
- Cisco® Networking
- Computer Programming
- 3D Animation
- Senior Capstone – Students focus on their pathway to information technology

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

ESTHETICS

- Anatomy/Physiology- Structure of Skin and Nails
- Infection Control/Hygiene – Diseases and Disorders of the Skin and Nails
- Skin Care – Makeup Applications, Facial Cleansing, Facial Massage, Preserving Health of the Skin
- Basic Business skills – Communication Skills, Professional Image

EXERCISE SCIENCE

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

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

INDEPENDENT LIVING

- Power Tools and Equipment
- Career Exploration & Development
- Nutrition-Meal Planning – Kitchen Operations
- Interpersonal/Intrapersonal Skills
- Agriculture Science and Plant Science
- Industrial Credentials
- Money Management

MANUFACTURING TECHNOLOGIES & ROBOTICS

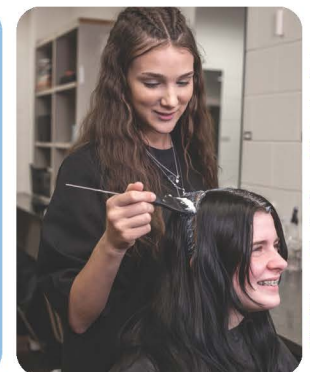
- Basic Electricity/Electronics
- 2D & 3D Computer Aided Design (CAD) and Solid Modeling
- Programmable Logic Controllers (PLC)
- Manual Machining
- Robotic Application and Programming
- Computer Numerical Control Programming (CNC)
- Computer Aided Manufacturing Programming (CAM)

PUBLIC SAFETY

- Police Operations
- American Criminal Justice System
- Investigation and Forensics
- Corrections
- Probation and Parole
- Homeland Security

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



© 2025 Vanguard Sentinel Career & Technology Centers



VANGUARD SENTINEL
CAREER & TECHNOLOGY
CENTERS
Learning Today, Leading Tomorrow

Sentinel - SCTC
793 E. Twp. Rd. 201, Tiffin, OH 44883
419-448-1212

vsctc.org



LEARN MORE

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



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.