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St. Clair County Career Technical programs

2023-2024 Course Catalog

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# Introduction

The 2023-2024 Course Catalog has been prepared to help administrators and counselors schedule students in appropriate career technical courses. It also contains program descriptions to better inform faculty and students of the programs of study offered through the St. Clair County School System.

**Enrollment Process**

Students desiring to enroll in any of the St. Clair County Career Technical Programs must complete the enrollment process. Students begin the enrollment process by completing an application. A link to the application can be found on the Eden Career Technical Center’s Website. The application period will open following recruitment in November and will run through the last Friday prior to Winter Break. Applicants will then be interviewed by a panel made up of Eden Career Technical Center faculty. Results will be shared with applicants via postal mail. Results will also be shared with each applicant’s counselor.

**Completer**

A completer is a student who completes (3) career technical education courses in one program of study with a grade of 70 or higher **and** successfully earns a credential. These students will be recognized during their senior year by being awarded a cord to wear for their graduation ceremonies.

# **Agriculture, Food & Natural Resources**

This cluster prepares students for successful careers and a lifetime of informed choices in global agriculture, food, fiber, and natural resource industries.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

Plant and Animal Science

This program is designed to provide students with an understanding of greenhouse management, horticulture, landscape industries, livestock management, veterinary science, poultry science, equine science, and food processing. \*\*Agribiology & Plant Biotechnology count as 3rd & 4th Science credit.

**Career Readiness Indicators (CRIs):**

* Landscape Management Technician
* Urban Forestry Technician
* Setting of Landscape Plans (SLP) Permit
* Tree Surgery (TS) Permit
* Landscape Design (LD) Permit
* Landscape Design & Plant Materials Certification
* Forestry Worker
* Turfgrass Mgt Certification
* Integrated Pest Mgmt Certification
* Specialty Crop

**Potential Workforce Careers:**

* Chemical Engineer
* Soil Scientist
* Pest Control Worker
* Landscape Designer
* Agronomy Sales
* Golf Course Superintendent
* Turfgrass Producer
* Lab Technician
* Florist
* Florist Worker
* Event Planner
* Landscaping & Groundskeeper
* Forest & Conservation Workers
* Pesticide Handlers
* Conservation Scientist
* Veterinary Technician
* Veterinarian

**Career Tech Student Organizations**: FFA

**Fee**: $77 Yearly

**Location:** Eden Campus

**Year One**

***Fundamentals of Agriscience***

18003G1001.1

18003G1001.2

***Greenhouse and Nursery Production***

18052G1002.1

18052G1002.2

***Intro to Veterinary Science***

18105G1012.1

18105G1012.2

**Year Two**

***Agribiology***

18004G1001.1

18004G1001.2

***Veterinary Science***

18105G1022.1

18105G1022.2

***Plant Biotechnology***

18308G1002.1

18308G1002.2

**Year Three**

***Career Pathway in AFNR***

18998G1000.1

18998G1000.2

***Turfgrass Management***

18054G1000.1

18054G1000.2

***Forestry***

18502G1001.1

18502G1001.2

# **Architecture and Construction**

This cluster provides students with basic knowledge and skills within a safe and appropriate setting for student exploration and achievement in the architectural and construction fields. The active, structured, and stimulating environment simulates the workplace setting and enhances student ability to adapt to an ever-changing job market.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

## **Construction Technology**

Carpenters are involved in many kinds of construction activities, from building highways and bridges to installing kitchen cabinets. Carpenters construct, install, and repair structures and fixtures made from wood and other materials. Utilizing NCCER’s curriculum, this program covers content such as Building Materials (Commercial & Residential Construction), Cabinet Fabrication, and Advanced Wall Systems.

**Career Readiness Indicators (CRIs):**

* NCCER Core
* NCCER Carpentry Level 1
* Construction & Skilled Trade Assessment (CAST)

**Potential Workforce Careers:**

* Residential Carpenter
* Commercial Carpenter
* Industrial Carpenter
* Cabinet Maker
* Contractor
* Site Foreman

**Career Tech Student Organizations**: SkillsUSA

**Fee**: $77 Yearly

**Location:** Eden Campus

**Year One**

***Construction Building Systems***

17002G1003.1

17002G1003.2

***Safety & Health Regulations***

17049G1000.1

17049G1000.2

***Architecture&Construction Foundation***

17002G1002.1

17002G1002.4

**Year Two**

***Residential Building***

17002G1010.1

17002G1010.2

***Construction Foundation Layout***

17002G1011.1

17002G1011.2

***Wood Technology 2D Design***

17006G1001.1

17006G1001.2

**Year Three**

***Project Management***

12002G1003.1

12002G1003.2

***Industrial Site Layout***

17013G1003.1

17013G1003.2

***Construction Finishing***

17011G1001.1

17011G1001.2

## **Heating, Ventilation, Air Conditioning, and Refrigeration**

The increasing development of HVAC (heating and air-conditioning systems) technology causes employers to recognize the importance of continuous education and keeping up to speed with the latest equipment and skills. This program utilizes NCCER’s curriculum that has been designed by highly qualified subject matter experts. This curriculum is recognized by North American Technician Excellence (NATE) and present theoretical and practical skills essential to your success as an HVAC installer or technician.

**Career Readiness Indicators (CRIs)**

* NCCER Core
* NCCER HVAC Level 1
* EPA Card
* Construction & Skilled Trade Assessment (CAST)
* Air Conditioning Heating and Refrigeration Institute (AHRI) ICE- Residential Core

**Potential Workforce Careers:**

* HVACR Installer
* HVACR Service Technician

**Career Tech Student Organizations:** SkillsUSA

**Fee:** $77

**Location:** Eden Campus

**Year One**

***Architecture&ConstructionFoundation***

17002G1002.3

17002G1002.5

***HVAC Fundamentals***

17056G1001.1

17056G1001.2

***Safety and Health Regulations***

17049G1000.3

17049G1000.4

**Year Two**

***CTE Lab in Architecture & Construction***

17017G1000.1

17017G1000.2

***HVAC Refrigeration Systems***

17052G1001.1

17052G1001.2

***Electrical Fundamentals***

17102G1000.1

17102G1000.2

**Year Three**

***Career Pathway***

17047G1001.2

17047G1001.3

***HVAC Installation & Op.***

17055G1001.1

17055G1001.2

***Project Management***

12002G1003.3

12002G1003.5

## **Welding**

Welding is a highly skilled industry that can take you places all over the world and impacts virtually every other industry. Technology is creating more uses for welding in the workplace. This program utilizes NCCER’s four-level curriculum which correlates to the AWS standards and guidelines for an Entry Welder.

**Career Readiness Indicators (CRIs)**

* NCCER Core
* NCCER Welding Level 1
* SMAW 3-G
* GTAW 3-G
* FCAW 3-G
* GMAW 3-G
* Construction & Skilled Trade Assessment (CAST)

**Potential Workforce Careers:**

* Welder
* Certified Welding Inspector
* Welding Supervisor
* Under Water Welder
* Pipefitter
* Industrial Maintenance Mechanic

**Career Technical Student Organization:** SkillsUSA

**Fee:** $77, Dual Enrollment fee based on current cost of Dual Enrollment, Career Technical Scholarships are available through an application process.

**Location:** Eden Campus.

**Year One**

***Welding SMAW 1***

13207G1001.1

***Architecture&Construction Foundation***

17002G1002.2

***Safety and Health Regulations***

17049G1000.5

**Year Two**

***Welding SMAW 2***

13207G1002.1

***Welding GMAW & FCAW***

13207G1003.1

***CTE Lab in Architecture & Construction***

17017G1000.3

**Year Three**

***Project Management***

12002G1003.4

***Arc. Struct. Design***

21103G1006.1

***Career Pathway***

17047G1001.1

**Dual Enrollment Welding Year One**

***WKO 110***

22999C1003.1

***AUT 186***

13999C1024.1

***WDT 109***

13249C1030.1

***WDT 120***

13249C1035.1

**WDT 119 \*\*Optional Summer**

13249C1034.1

**WDT 166 \*\*Optional Summer**

13249C1044.1

**Dual Enrollment Welding Year Two**

***WDT 219***

13249C1047.1

***AUT 278***

13999C1095.1

***WDT 125***

13249C1039.1

***WDT 228***

13249C1050.1

**Dual Enrollment Welding Year Three**

***WDT 217***

13249C1046.1

***WDT 115***

13249C1032.1

***WDT 218***

13249C1072.1

***WDT 258***

13249C1973.1

# **Business Management & Administration**

This cluster prepares students for careers in the field of business management and administration. Rigorous instruction is provided to equip learners with knowledge and skills for college and career readiness. Extended learning experiences to enrich and enhance instruction is reinforced through learner participation in career and technical student organizations.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

## **Business Information Technology**

This program is for students who are interested in pursuing careers in business information technology. Courses provide an overview of career opportunities, which are available in every sector of the economy and require specific skills in basic computer programming, print and digital media, information management, and other effective uses of technology.

**Career Readiness Indicators (CRIs):**

* Adobe Certified Associate (ACA)- Photoshop
* ACA- Dreamweaver
* ACA- Premier Pro
* ACA- InDesign
* ACA- Illustrator
* Microsoft Office- Excel Expert
* Microsoft Office- Word Expert
* Microsoft Office Specialist (two of the following areas required
  + Excel, Outlook, PowerPoint, Word

**Potential Workforce Careers:**

* Chief Executive Officer
* Entrepreneur
* General Manager
* Human Resource Manager
* Training & Dev. Specialist
* Personnel Relations Specialist
* Executive Assistant
* Office Manager
* Receptionist
* Business & Dev. Manager
* Operations Analyst
* Management Analyst
* Legal Secretary

**Career Technical Student Organization:** Future Business Leaders of America

**Fee:** $77 yearly

**Location:** Eden Campus

**Year One**

***Bus. Software App 1***

10005G1001.1

10005G1001.2

***Digital Media Design***

11153G1001.1

11153G1001.2

***Web Development***

05254G1004.1

05254G1004.2

**Year Two**

***Bus. Software App 2***

10005G1002.1

10005G1002.2

***Entrepreneurship***

12053G1000.1

12053G1000.2

***Bus. & Legal Concepts***

12054G1001.1

12054G1001.2

**Year Three**

***Car. Path. Proj. in Bus.***

12047G1003.1

12047G1003.2

***Digital Pub. Designs***

11153G1002.1

11153G1002.2

***Found. of Bus. Lead.***

12051G1000.1

12051G1000.2

**Year Four**

***Cooperative Education***

22998G1014.1 (1)

22998G1014.2 (2)

22998G1014.3 (3)

**Education Training**

This cluster is for students who are interested in pursuing careers in Education. There are 3 pathways within this cluster: Administration and Support Services, Early Childhood Education, and Teaching/Training. Rigorous instruction is provided to equip students with the knowledge needed and skills needed to prepare for credentials, articulated credit, and further education.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

**Early Childhood**

This program is for students who are interested in pursuing careers with young children from birth to school age. Courses provide an overview of safe and healthy learning environments; children’s physical, intellectual, and emotional development; building productive relationships with families; managing an effective childcare program; professionalism; techniques for observing and recording children’s behavior; and principles of child development.

**Career Readiness Indicators (CRI)**

* Child Development Associate-CDA

**Potential Workforce Careers:**

* Preschool Teacher
* Child Care Worker
* Day Care Owner

**Career Technical Student Organization:** Future Teachers of America.

**Fee:** Fee based on current Dual Enrollment Cost, Career Technical Scholarships are available through an application process.

**Location:** Eden Campus

**Year One**

***CHD 100***

19199C1010.1

***CHD 201***

19199C1011.1

***Education & Training***

19151G1000.1

**Year Two**

***CHD 202***

19199C1012.1

***CHD 203***

19199C1013.1

***CTE Lab in AFNR***

19197G1002.1

**Year Three**

***CHD 204***

19199C1014.1

***CHD 206***

19199C1015.1

***Senior Career Pathway***

19197G1001.1

\*\*Classes subject to change based off the year student begins program (eg. Basic Certificate vs Short-Term Certificate).

# **Government and Public Administration**

This cluster is designed to motivate students and teach them the value of citizenship, leadership, service to community, personal responsibility and a sense of accomplishment while instilling in them self-esteem, teamwork, and self-discipline.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

## **Army JROTC**

The objectives of the Army JROTC program are to prepare Cadets for leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. The program provides instruction and opportunities to benefit the student, community, and nation.

**Career Readiness Indicator:**

* Army JROTC Certificate (Awarded after three successful years)

**Potential Workforce Careers:**

* Government Property Inspectors
* Environmental Compliance Inspectors
* Equal Opportunity Representatives
* Financial Examiners
* Licensing Examiners
* Transportation Inspectors
* Occupational Health & Safety Techs
* Tax Examiners
* Armored Crew Members
* Artillery Crew Members/Officers
* Command & Control Center Specialists
* First Line Supervisors
* Infantry
* Special Forces
* Emergency Management Directors
* License Clerks
* Municipal Clerks
* Postmasters
* Agricultural Inspectors
* Construction/Building Inspectors

**Career Technical Student Organization:** N/A

**Location:** St. Clair County High School

**Year One**

***Army JROTC Drill 1***

09051G1012.1

***JROTC Leadership Lab 1***

09990G1018.1

***Army JROTC Drill 1B***

09051G1022.1

**Year Two**

***Army JROTC Drill 2***

09052G1012.1

***JROTC Leadership Lab 2***

09990G1038.1

***Army JROTC Drill 2B***

09052G1022.1

**Year Three**

***Army JROTC Drill 3***

09053G1012.1

***JROTC Leadership Lab 3***

09990G1058.1

***Army JROTC Drill 3B***

09053G1022.1

# **Health Science**

This cluster provides students with essential knowledge and skills for pursuing careers in the following five pathways: Therapeutic Services, Diagnostic Services, Health Informatics, Support Services, and Biotechnology Research and Development. Rigorous and challenging content may include a variety of instructional strategies, work-based learning experiences, and simulation.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

## **Health Science**

The Health Science Program instructional content incorporates project and problem-based healthcare practices and procedures to demonstrate knowledge and skills fundamental to a variety of healthcare careers. Knowledge and skills are reinforced and enhanced through participation in HOSA- Future Health Professionals and work-based learning opportunities that are age and grade appropriate.

**Career Readiness Indicator (CRI)**

* Certified Nursing Assistant (CNA)
* Certified EKG (CET)

**Potential Workforce Careers:**

* Certified Nurse Assistant
* Health-Care Field Careers

**Career Technical Student Organization:** HOSA- Future Health Professionals

**Fee:** $80

**Location:** Eden Campus

**Year One**

***Foundations of Health Science***

14002G1001.1

14002G1001.2

***Human Body Structure & Function***

14299G1001.1

14299G1001.2

***Medical Terminology***

14154G1000.1

14154G1000.2

**Year Two**

***Nurse Aide Training (2 Credits)***

14051G2000.1

14051G2000.2

***Health Science Internship***

14298G1000.1

14298G1000.2

**Year Two Pre-requisites:**

* Completion of year one with at least C average.
* Maintain a C average in all coursework.
* Demonstrate proficiency in all classroom skill check-offs.
* Complete any Edgenuity classes for the year.
* Criminal background check.
* Drug screening.
* Physical, Tuberculosis skin test, Flu vaccine.
* Basic Life Support for Healthcare provider.
* Students are required to arrange for transportation to all clinical sites.

# **Hospitality and Tourism**

This cluster prepares students for the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services using real work, hands-on knowledge and skills in commercial and professional lab settings. This diversified and intensive education program enables students to pursue careers in one of three pathways: 1) Restaurant, Food, and Beverage Services 2) Lodging and 3) Recreation, Travel, and Tourism.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

## **Restaurant, Food, and Beverage Services**

This program begins with the fundamentals and principles of the art of cooking, management and production skills, and techniques. Within this pathway, students can pursue a national sanitation certification, industry certification, articulation credit, and scholarships. The courses offered involve a commercial laboratory-based instructional setting and internship hours.

**Career Readiness Indicators (CRIs)**

* ServSafe Manager
* Certified Guest Service Professional

**Potential Workforce Careers:**

* Food/Beverage Service Manager
* Editor
* Technical Writer
* Food Journalist/Stylist/Photographer
* Executive Chef
* Food Processing Worker
* Baker
* Butcher/Meat Cutter
* Caterer
* Food Batchmaker

**Career Technical Student Organization:** FCCLA

**Fee:** $97

**Location:** Moody Jr. High School

**Year One**

***Hospitality & Tourism***

16001G1000.1

16001G1000.2

***Culinary Arts 1***

16053G1012.1

16053G1012.2

***Food Safety & Microbiology***

19254G1000.1

19254G1000.2

**Year Two**

***Culinary Arts 2***

16053G1022.1

16053G1022.2

***Baking & Pastry Arts***

16056G1000.1

16056G1000.2

***Hospitality Mgt. & Marketing***

12159G1001.1

12159G1001.2

**Year Three**

***CTE Lab Hospitality***

16097G1002.1

16097G1002.2

***Senior Pathway Project Hospitality & Tourism***

16097G1001.1

16097G1001.2

***Entrepreneurship in FACS***

19299G1000.1

19299G1000.2

# **Information Technology**

This cluster prepares high school students with essential knowledge and skills for pursuing careers in the following three pathways: Database Design; Network Systems and Computer Services; and Programming and Software Development. Rigorous instruction is provided to equip learners with knowledge and skills for college and career readiness.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

## **Information Technology and Support Services**

This program is for students who are interested in careers that involve information technology security, network analysis, planning, and implementation, including designs, installation, repair, maintenance, and management of network systems.

**Career Readiness Indicators (CRIs)**

* C-Tech Copper Network Cabling Specialist
* C-Tech Fiber Network Cabling Specialist
* Certified Electronics Technician (CETa)
* CompTIA A+
* Certiport Information Technology Specialist
* Microsoft Azure Data Fundamentals
* Microsoft Dynamics Fundamentals
* Microsoft 365 Fundamentals
* TestOut PC Pro (5.0.0 or higher)
* TestOut Routing Pro
* TestOut Switching Pro
* TestOut Linux Pro

**Potential Workforce Careers:**

* Technical Support Analyst
* Technical Support Engineer
* Help Desk Support
* Customer Support Representative
* IT Support Specialist

**Career Technical Student Organization:** Future Business Leaders of America

**Fee:** $77

**Location:** Eden Campus

**Year One**

***Information Tech Fundamentals***

10001G1000.1

10001G1000.2

***Network Fundamentals***

10112G1001.1

10112G1001.2

***Found of Operating Systems***

10109G1001.1

10109G1001.2

**Year Two**

***Linux Fundamentals***

10109G1000.1

10109G1000.2

***Programming Foundations***

10152G1001.1

10152G1001.2

***Robotic Systems***

21009G1000.1

21009G1000.2

**Year Three**

***Technology Support & Services***

10253G1001.1

10253G1001.2

***Computer Maintenance & Troubleshooting***

10252G1001.1

10252G1001.2

***CTE Lab in Info Technology***

10997G1002.1

10997G1002.2

# **Law, Public Safety, Corrections, and Security**

This cluster prepares students for careers in the law and public safety field in four pathway areas: Correctional Services, Emergency & Fire Management Services, Law Enforcement, and Legal Services. Rigorous instruction is provided to equip students with knowledge and skills needed in preparation for credentials, articulated credit, and/or further education.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

## **Emergency & Fire Management Services**

This program is for students who are interested in pursuing careers in emergency and fire management services. Courses provide an overview of careers in firefighting, emergency medical profession, and specialized public service jobs.

**Career Readiness Indicators (CRIs)**

* Emergency Medical Responder (EMR)
* National Emergency Medical Technician (EMT)

**Potential Workforce Careers:**

* Emergency Management Response Coordinator
* Dispatcher
* Emergency Planning Manager
* National Emergency Medical Technician
* Fire Fighter
* Fire Inspector
* Hazardous Materials Responder
* Rescue Worker
* Paramedic

**Career Technical Student Organization:** SkillsUSA

**Fee:** $77

**Location:** Eden Campus

**Year One**

***Intro to Public Safety***

15001G1000.1

15001G1000.2

***Emergency Services***

14055G1000.1

14055G1000.2

***Fire Science 1***

15151G1001.1

15151G1001.2

**Year Two**

***Law Enf. & Corrections***

15054G1001.1

15054G1001.2

***Fire Fighting 1***

15152G1001.1

15152G1001.2

***CTE Lab***

15997G1002.1

15997G1002.2

**Year Three**

***Fire Science 2***

15151G1000.1

15151G1000.2

***Fire Fighting 2***

15152G1000.1

15152G1000.2

***Career Pathway***

15997G1001.1

15997G1001.2

# **Manufacturing**

This cluster prepares high school students with essential knowledge and skills for pursuing careers in Additive Manufacturing, Industrial Maintenance, Electronics, Manufacturing, Precision Machining, and Robotics. These courses include significant technical depth and engineering concepts and terminology.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

**Career Readiness Indicators (CRIs)**

* NCCER Core
* MSCC Certified Production Technician

**Potential Workforce Careers:**

* Controls Engineer
* Industrial Maintenance
* Electronic Technician
* Programmable Login Controller Technician
* Automation Technician

**Career Technical Student Organization:** SkillsUSA

**Fee:** $77

**Location:** Eden Campus

## **Modern Manufacturing**

This program is for students looking for entry level positions in manufacturing. This program utilizes NCCER & MSSC standards. Emphasis is placed on safety, quality, production, and maintenance.

**Year One**

***Introduction to Manufacturing***

13001G1000.1

13001G1000.2

***Manufacturing I***

13002G1013.1

13002G1013.2

***Workforce Readiness***

22152G1002.1

22152G1002.2

**Year Two**

***Manufacturing II***

13002G1023.1

13002G1023.2

***Manufacturing III***

13002G1033.1

13002G1033.2

***Introduction to Robotics***

21009G1001.3

21009G1001.4

**Year Three**

***Manufacturing IV***

13002G1043.1

13002G1043.2

***Career Pathway***

13997G1003.1

13997G1003.2

***Robotics & Automation***

21010G1004.1

21010G1004.2

## **Additive Manufacturing (Drafting)**

This program is based upon Computer-Aided Design, 3-D Printing, and Engineering Applications. Courses in the drafting program are designed to train students with skills to be successful in the Mechanical and Technical Design fields.

**Career Readiness Indicators (CRIs):**

* Auto-CAD
* Auto-Inventor
* Auto-Fusion 360
* Solid Works
* Solid Edge

**Potential Workforce Careers:**

* CAD Designer
* Architect
* Controls Engineer
* Industrial Maintenance
* Programmable Logic Controller Technician

**Career Tech Student Organizations:** SkillsUSA

**Fee:** $77

**Location:** Eden Campus

**Year One**

***Intro to Drafting Design***

21106G1013.1

21106G1013.2

***Safety and Health Regulations***

17049G1000.8

17049G1000.9

***Intro to Engineering Design***

21004G1001.1

21004G1001.2

**Year Two**

***Intermediate Drafting Design***

21106G1023.1

21106G1023.2

***Introduction to Robotics***

21009G1001.1

21009G1001.2

***Engineering Design Applications***

21002G1001.1

21002G1001.2

**Year Three**

***Advanced Drafting Design***

21106G1033.1

21106G1033.2

***Robotics Application***

21009G1002.1

21009G1002.2

***3-D Solid Model Design 1***

21107G1012.1

21107G1012.2

**Dual Enrollment Yr .**

***CET 100***

17999C1042.1

***MDT 105***

17999C1024.1

***MDT 146***

17999C1028.1

***MDT 147***  
17999C1041.1

# **Transportation, Distribution, & Logistics**

The Transportation, Distribution, and Logistics cluster includes specialty areas in aviation, power equipment, automotive service, automotive collision repair, diesel engine maintenance and repair, logistics, and marine technology. The curriculum is based on recognized industry and professional standards found in national organizations and federal regulations.

**Student Essential Functions**

\*\*Please refer to checklist for each program.

## **Automotive Services**

The need for automotive service technicians is growing rapidly as people continue to keep their vehicles in operation longer than ever before. This program is designed for students to gain knowledge and credentials for entry level employment or to continue their education through college. This program is NATEF accredited and students are eligible to receive ASE credentials.

**Career Readiness Indicators (CRIs):**

* ASE Student Maintenance and Light Repair
* ASE Student Suspension and Steering
* ASE Student Brakes
* ASE Electrical/Electronic Systems
* ASE Engine Performance
* ASE Student Engine Repair
* ASE Student Automatic Transmission/Transaxle
* ASE Student Heating and Air Conditioning
* ASE manual Drive Train and Axles
* ASE Automotive Service Technology

**Potential Workforce Careers:**

* Maintenance and Light Repair Technician
* Automotive Service Technician
* Master Automotive Service Technician

**Career Technical Student Organization:** SkillsUSA

**Fee:** $77

**Location:** Eden Campus

**Year One**

***Auto Tech Foundation***

20104G1011.1

20104G1011.2

***Auto Tech A***

20104G1012.1

20104G1012.2

***Safety & Health Regulations***

17049G1000.10

17049G1000.11

**Year Two**

***Auto Tech B***

20104G1013.1

20104G1013.2

***Auto Tech C***

20104G1014.1

20104G1014.2

***Auto Tech A 2***

20104G1015.1

20104G1015.2

**Year Three**

***Auto Tech B 2***

20104G1016.1

20104G1016.2

***Auto Tech C 2***

20104G1017.1

20104G1017.2

***Career Pathway TDL***

20997G1003.1

20997G1003.2

**Dual Enrollment Yr 1**

***AUM 101***

20149C1026.1

***AUM 112***

20149C1027.1

**Dual Enrollment Yr 2**

***AUM 130***

20149C1020.1

***AUM 162***  
20149C1021.1

## **Collision Repair**

The collision repair program is divided into two divisions, collision repair and refinishing. This program is designed to train students to successfully repair accidental damage and to refinish vehicles. Emphasis is placed on safety, plasma arc cutting and oxyacetylene cutting, resistance type spot welding, and metal inert gas (MIG) welding. This course incorporates all personal and environmental safety practices associated with clothing; respiratory protection; eye protection; tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations. Refinishing skills learned in this program may also carry over into many other industries through manufacturing finishing of products. The program is NATEF accredited and students are eligible to receive ICAR curriculum and credentials and/or ASE credentials.

**Career Readiness indicators (CRIs):**

* ICAR Auto Refinish Platinum
* ICAR Intro to Collision Repair
* ICAR Non-Structural Platinum

**Potential Workforce Careers:**

* Collision Refinishing Technician
* Structural Repair Technician
* Nonstructural Repair Technician
* Manufacturing Assembly Specialist
* Manufacturing Finishing Specialist

**Career Technical Student Organization:** SkillsUSA

**Fee:** $77

**Location:** Eden Campus

**Year One**

***Safety & Health Reg.***

17049G1000.12

17049G1000.13

***Non-Structural Analysis & Damage Rpr.***

20116G1035.1

20116G1035.2

***Non-Structural Welding Cutting & Joining***

20116G1036.1

20116G1036.2

**Year Two**

***Mech & Elect Comp Col Rep1***

20105G1012.1

20105G1012.2

***Paint & Refinish 1***

20116G1013.1

20116G1013.2

***Damage Analysis, Est. & Consumer Service***

20116G1037.1

20116G1037.2

**Year Three**

***Structural Analysis & Damage Rpr.***

20117G1003.1

20117G1003.2

***Paint & Refinish 2***

20116G1023.1

20116G1023.2

***Mechanical & Elect Comp Col Rep2***

20105G1022.1

20105G1022.2