

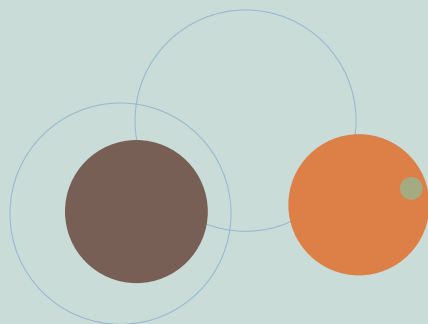
2022-2023

SHIAWASSEE COUNTY  
CAREER AND TECHNICAL  
EDUCATION PROGRAMS  
COURSE CATALOG



**Shiawassee**

Regional Education Service District



# SHIAWASSEE COUNTY CTE PROGRAMS

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Career and Technical Education Programs (CTE) are available for all high school students in Shiawassee County: public, non-public and home schooled. There are several things a student should know about enrollment in SRES D CTE programs:

## Student Requirements

Students must have completed the 10th grade, have satisfactory attendance, meet program/college enrollment requirements and attend the mandatory orientation.

## Baker College Admission Requirements

Students must have a minimum 2.5 high school GPA and complete the Student Welcome Experience successfully. COVID19 Vaccination or exemption with weekly PCR or Antigen testing required for on campus courses.

## Mott Community College Admission Requirements

Students must have a minimum 2.0 GPA. Students must meet the Accuplacer testing admission requirement for reading, writing, and math (where applicable). Students must also complete Distance Learning Education System successfully.

## Class Sessions

CTE courses may be offered during any of the sessions listed: 7:30 am-9:15 am, 9:55 am-11:40 am, or 11:55 am-1:40 pm. These sessions vary based on enrollment and class.

## Help is Available

A variety of options are available to all students to support optimal learning, such as tutoring, writing assistance, computer skills, and study skills. Any student with a disability may contact the Student Support Services Office for their college.

### Student To Do List:

1. Check out the many CTE options.
2. Find the one that's right for you.
3. Talk to your high school counselor to enroll in a CTE program for the 2022-2023 school year!

\*Class schedule and course catalog information is subject to change based on enrollment.

## CTE STUDENTS HAVE THE OPPORTUNITY TO:

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- Learn from CTE instructors that have real-world experience
- Explore careers prior to attending college
- Learn up-to-date technical skills that are used in business and industry
- Earn high school and college credit
- Attain employability skills for jobs after high school graduation
- Increase interest in seeking post-secondary education
- Save thousands of dollars by exploring career options prior to graduation from high school
- Become a member of a Career Technical Student Organization/Club

## EARLY COLLEGE OPPORTUNITY

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The Shiawassee Early College Program is connected with CTE programs by offering courses with Baker College, Lansing Community College and Mott Community College. Students can take additional general education and/or program specific classes which could lead to a certificate, up to 60 transfer credits, or possible associate degree. You may also be earning additional college credits with AP classes and articulated credit by taking CTE courses at your local high school. See your counselor for more information. Below is a list of opportunities with each college.

### Baker College:

Medical Assistant Certificate  
Welding Certificate  
Arts Associate

Associate Business Administration  
Associate Criminal Justice  
Associate Health Science Technology  
Michigan Transfer Agreement

### Mott Community College:

Michigan Transfer Agreement  
60 Credits towards Culinary

### Lansing Community College:

Michigan Transfer Agreement  
60 Transferable Credits



**Baker  
College**



# AUTOMOTIVE SERVICES TECHNOLOGY

## Course Description

Trained and certified in all areas of vehicle service, master technicians use their advanced mechanical, technical, and troubleshooting skills to inspect, maintain, and repair cars and light trucks. In today's market, those who understand new and sophisticated vehicle and service technologies, and have advanced training and certifications in multiple areas, have the best job opportunities and earning potential. This is predominately a hands-on course where students also participate in activities outside the classroom such as Skills USA competition and field trips. Graduates from the Auto/Diesel Institute have a 94% employment rate.

## College Courses

### Year 1

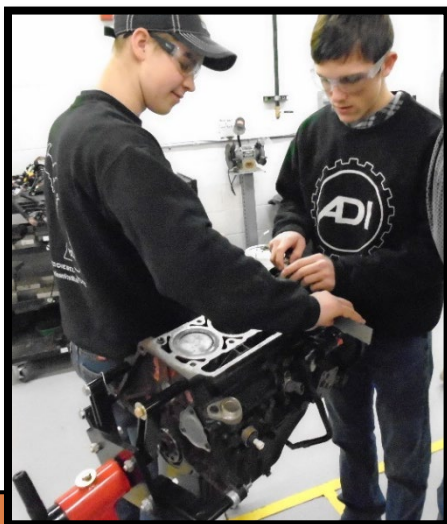
- AST 2010A - Safety
- AST 1410 - Electrical/Electronic Systems/Lab
- AST 1110 - Engine Repair I/Lab

Total Credits: 9

### Year 2

- AST 1310 - Brakes/Lab
- AST 1210 - Suspension and Steering/Lab

Total Credits: 8



## State License Examinations

- Automotive Suspension and Steering
- Automotive Brake Service
- Automotive Electronics Systems

State certification is required for all persons who work in positions as specialty mechanics or master mechanics in the State of Michigan. Students may test through the Department of Motor Vehicles. Students enrolled in the Automotive Services program will have the opportunity to prepare for the ASE Student exam.

This program is accredited by the ASE Education Foundation and is a CTE state approved program.

## JOB OPPORTUNITIES

- Automobile Assembler
- Automobile Technician
- Small Engine Technician
- Race Car Technician
- Automobile Salesperson
- Motorcycle Technician

### Annual Salary

Entry-level technicians quite often earn an hourly wage of \$13 - \$25 per hour, depending on experience. In some cases, technicians earn commission based on labor costs paid by the customer. For those earning commission, wages depend upon the amount of work completed, although many employers do guarantee a minimum salary.

Automobile Technician  
\$27,000-\$52,000  
Highly Skilled Technicians,  
Shop Forepersons and  
Managers  
Up to \$100,000  
[careercruising.com](http://careercruising.com)



### Program Prerequisites

Students must have completed the 10th grade of high school, have a minimum 2.5 GPA and meet Baker College's COVID vaccine or waiver requirement. Year 2 students must be in good academic standing to enroll.

### High School/College Credits

Students who successfully complete Automotive Services Technology will earn high school credit and will also have the opportunity to earn college credit.



Education Foundation

# CRIMINAL JUSTICE

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## Course Description

Earn college credit in the Criminal Justice Program, which will provide students with exposure to the career opportunities available in a criminal justice setting. Coursework in this program will prepare the student for a variety of associate and baccalaureate degree programs such as: Corrections, Criminal Justice and Public Safety. Students will study the history of policing and corrections, policing and patrol techniques, the courts system, and much more. Students will be exposed to the Michigan Commission on Law Enforcements Standards which guide the curriculum and learning experiences of the law enforcement academies in Michigan.

## College Courses

### Year 1

- CRJ 1010 - Intro to Criminal Justice
- CRJ 1060 - Intro to Corrections
- CRJ 1410 - Criminology
- CRJ 2110 - Interpersonal Communication and Conflict Management

Total Credits: 12

### Year 2

- CRJ 2310 – Principles of Policing I
- CRJ 2210 – Interviewing, Investigation and Report Writing
- CRJ 2010 – Criminal Law
- CRJ 2410 – Juvenile Justice Concepts

Total Credits: 12

## Program Prerequisites

Students must have completed the 10th grade of high school and have a minimum 2.5 GPA. Year 2 students must be in good academic standing to enroll.

## High School/College Credits

Students who successfully complete Criminal Justice will earn high school credit and will also have the opportunity to earn college credit.

This program is a CTE state approved program.

## JOB OPPORTUNITIES

- 911 Operator
- Corrections Officer
- Criminologist
- Detective
- FBI Agent
- Fire Investigator
- Homeland Security
- Judge
- Lawyer
- Police Officer
- Private Investigator
- Probation Officer
- Professor
- Sociologist

### Annual Salary

Corrections Officer - \$26,000 - \$65,000

Criminologist - \$35,000 - \$55,000

Detective - \$38,000 - \$100,000

Paralegal - \$29,000-\$75,000

Police and Sheriff's Patrol Officer - \$32,000-\$84,000

Source: [careercruising.com](http://careercruising.com)

### Instructional Topics

- Criminal Law
- Investigation and Arrest
- Courts Structure and Participants
- Professionalism and Ethics
- Crime and Corrections
- Crime and Criminology
- Adjudication
- Diversion and Probation
- Juvenile Justice



# CULINARY

## Course Description

Students enrolled in Mott Community College programs will receive intensive training in all phases of the restaurant business and will graduate with the high level of expertise necessary to become a professional in any area of the foodservice business. Students enrolling in the Early College option are eligible to remain in high school an additional year to attend the Mott Culinary Institute in pursuit of an associate degree culinary program of their choice. All tuition and books are paid for while you are in high school and attend classes at the Culinary Institute in Flint.

## Year 1 College Courses

- CULA 100 - Orientation to Food Services
- CULA 105 - Intro to Professional Cookery
- CULA 101 - Culinary Knife Skills
- FMG 102 - Food Safety & Sanitation
- CULA115 – Nutrition/Menu Planning
- FMG 114 – Meat Fabrication

Total Credits: 13

## Year 2 College Courses

### Semester 1

- CULA 111 – Garde Manger I
- FMG 104 – Food Service Math

Total Credits: 6

### Semester 2

Courses are concentrated in program of choice.



## Job Opportunities

- Baker
- Caterer
- Chef
- Cook
- Food Inspector
- Restaurant Manager

## Annual Salary

Caterer - \$35,900 - \$61,480

Chef - \$27,970 - \$56,560

source: [careercruising.com](http://careercruising.com)

This program is a CTE state approved program.



## Associate Degree Program Options

### BAKING AND PASTRY ARTS, AAS

The Baking & Pastry Art curriculum offers an introductory hands-on instruction in the basics of baking and pastry arts. The student will have the opportunity to learn and apply concepts and techniques of baking, weights and measures, equipment use, baking terminology and ingredient function; create a range of breads, pastries and desserts; produce standardized dessert recipes; and develop skills in discipline and professionalism.

### CULINARY ARTS, AAS

This program prepares the student for mid-level cook positions and entry chef positions. The program offers students an opportunity to learn and practice basic and advanced technical skills in food preparation and service, food identification, nutrition, and food and beverage composition. Students will acquire supervisory skills and will gain experience in proper use and maintenance of professional food service equipment.

### FOOD SERVICE MANAGEMENT, AAS

This program is designed to offer students mid-level food service management experience. The program offers students an opportunity to practice basic and advanced technical skills in food preparation service, product identification and nutrition. Students will acquire supervisory skills and will gain experience in the proper use and maintenance of professional food service equipment.

#### Program Prerequisites

Students must have completed the 10th grade of high school and have a minimum 2.0 GPA. Students must meet the Accuplacer testing admission requirement for reading, writing, and math (where applicable). Students must also complete Distance Learning Education System successfully.

#### High School/College Credits

Students who successfully complete the Culinary program will earn high school credit and will also have the opportunity to earn college credit.



# DIESEL SERVICES TECHNOLOGY

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## Course Description

Diesel Service Technicians inspect, maintain, repair, and overhaul buses, trucks, and other vehicles with a diesel engine. Their work is varied; they may work on a vehicle's electrical system, make major engine repairs, or do routine maintenance. Continuing advances in diesel technologies to improve performance have made it essential to have up-to-date training and skills. Graduates from the Auto/Diesel Institute have a 94% employment rate.

### Year 1

- DSL 1010 - Diesel Engine Theory/Lab
  - DSL 1410 - Diesel Electrical/Electronic Systems I/Lab
- Total Credits: 8

### Year 2

- DSL 1420 - Diesel Electrical/Electronics Systems II/Lab
  - DSL 1710 - Diesel Engine Repair/Lab
- Total Credits: 8



## JOB OPPORTUNITIES

- Bus and Truck Mechanic
- Diesel Engine Specialist
- Diesel Technician
- Heavy Equipment Mechanic

### Annual Salary

Entry wage - \$34,000  
Median wage - \$42,380  
Experienced Wage - \$50,660  
Source: [careercruising.com](http://careercruising.com)

### Program Prerequisites

Students must have completed the 10th grade of high school, have a minimum 2.5 GPA and meet Baker College's COVID vaccine or waiver requirement. Year 2 students must be in good academic standing to enroll.

### High School/College Credits

Students who successfully complete Diesel Service Technology will earn high school credit and will also have the opportunity to earn college credit.

### State License Examinations

- Medium Heavy Truck Engine
- Medium Heavy Truck Electrical

State certification is required for all persons who work in positions as specialty mechanics or master mechanics in the State of Michigan. Students may test through the Department of Motor Vehicles.



# ELECTRICAL

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## Course Description

Students in the two year Electrical Program will be introduced to electrical theory, electrical safety, proper use of tools and equipment, circuits, breakers and fuses, residential wiring, reading electrical blueprints, wiring devices, lighting circuits, conductors and cables, soldering and splicing techniques, low-voltage switching, load calculations, and residential services. Students will learn employment, communication, professionalism, and trade skills necessary for entry-level employment. Students will engage in a variety of activities that balance direct instruction and training with actual hands-on experiences. Students will also have the opportunity to earn an OSHA 10 Certification.



This program is a CTE state approved program.

## JOB OPPORTUNITIES

- Electrician
- Electrical Engineer
- Electrical Engineering Tech
- Electronics Engineer

### Annual Salary

Entry Wage - \$43,560

Median Wage - \$59,030

Experienced Wage - \$71,400

Source: [careercruising.com](http://careercruising.com)

### Instructional Topics

- Electrical Safety
- Conductors and Cables
- Electric Lighting
- Transformers
- Circuit Breakers and Fuses
- Overcurrent Protections
- Grounding and Bonding
- Load Calculation
- Motor Calculation



### Program Prerequisites

Students must have completed the 10th grade of high school and have a minimum 2.0 GPA. Students must be 16 years of age or turn 16 in grade 11 and complete GMCA orientation.

### High School Credit/Certification

Students who successfully complete Electrical Program will earn high school credit and will also earn trades training hours that can lead to apprenticeship opportunities. Students will have the opportunity to earn OSHA 10 certification. Students will also have the opportunity to earn articulated college credit.



# HEALTH SCIENCE ACADEMY

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## Course Description

Earn college credit in the Health Science Academy Program, which provides students with an introduction to a variety of healthcare occupations and knowledge of the coursework/career path necessary to enter into various health occupations. This course consists of classroom instruction and clinical rotations, and students will have the opportunity to earn their American Heart Association CPR certification and job shadow with various medical professionals. In year 2, students will have the opportunity to complete Certified Nursing Assistant (CNA) coursework. The coursework in this class is based on the National Health Care Foundation Standards and Accountability criteria.

## Instructional Topics

- Human Anatomy & Physiology
- Medical Math
- Communication
- Medical Terminology
- Healthcare Systems
- Employability Skills
- Medical Ethics and Legal Practices
- Infection Control
- Health Maintenance Practices

## Program Prerequisites

Students must have completed the 10th grade of high school and have a minimum 2.0 GPA. In addition, students are also required to provide current immunization records, record of a negative test for TB, and will be required to receive a flu vaccine. Year 2 students must be in good academic standing to enroll.

## High School/College Credits

Students who successfully complete Health Science Academy will earn high school credit and will also have the opportunity to earn articulated college credit.

## Courses/Certifications

### Year 1

- CPR Certification

### Year 2

- Coursework to prepare students for CNA Certification

This program is a CTE state approved program.

## JOB OPPORTUNITIES

- Certified Nursing Assistant (CNA)
- Emergency Medical Technician
- Pharmacy Technician
- Occupational Therapy Assistant
- Phlebotomist
- Dentist
- Physical Therapist
- Registered Nurse
- Diagnostic Medical Sonographer
- Veterinary Medicine
- Medical Assistant
- Obstetrician/Gynecologist (OBGYN)

### Annual Salary

Certified Nursing Assistant (CNA)  
\$18,000 - \$35,000

Pharmacy Technician  
\$19,000 - \$38,000

Registered Nurse  
\$45,000-\$95,000

Phlebotomist  
\$21,000 - \$42,000

Physical Therapist  
\$52,000 - \$106,000

Medical Assistant  
\$21,000 - \$40,000

Dentist  
\$70,000 - \$200,000

Family Practitioner  
\$100,000 - \$166,000

Source: careercruising.com





# TEACHER CADET

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## Course Description

Students will be involved in a fast paced, innovative, hands-on curriculum where they gain knowledge about teaching and learning. Teacher cadets will develop skills that are helpful in college and beyond, such as presentation, public speaking, writing, communication and reasoning. Students experience the rewards of teaching through clinical placements as part of their course work. All students are required to observe and/or participate in a variety of classroom settings at the pre-school, elementary, middle, and/or high school levels, including general and special education. Students will also begin working on their “pre-teaching” portfolio. The course helps prepare students for careers in education as well as entry into college or university teacher preparation programs.

## Instructional Topics

- Cultivating Healthy Learning Communities
- Exploring Culture and Identity
- Striving for Equitable Education Systems
- Developing Inclusive Teaching Practices
- College Access
- Reflecting on Clinical Experience



## Program Prerequisites

Students must have completed the 10th grade of high school and have a minimum 2.0 GPA. Students must also complete and pass a background check.



## JOB OPPORTUNITIES

- Adult Education Teacher
- Elementary School Teacher
- ESL Teacher
- High School Teacher
- Instructional Coordinator
- Middle School Teacher
- Physical Education Teacher
- Principal
- Professor
- Special Education Teacher
- Teacher Assistant

### Annual Salary

Elementary School Teacher  
\$37,000 - \$95,000

ESL Teacher  
\$32,000 - \$97,000

High School Teacher  
\$40,000 - \$97,000

Middle School Teacher  
\$39,000 - \$93,000

Source: [careercruising.com](http://careercruising.com)

Principal  
\$61,000 - \$144,000

Professor  
\$50,000 - \$140,000

Special Educ. Teacher  
\$35,000 - \$99,000

Teacher Assistant  
\$19,000 - \$41,000

### High School/College Credits

Students who successfully complete Teacher Cadet will earn high school credit and will also have the opportunity to earn articulated college credit.

### Certifications

- Health and Safety Training for Licensed Child Care Providers, Course 1 and 2
- CPR Certification
- CDA or Mi-YDA Credential

# APPLICATION DEADLINES

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- Enrollment is now open!
- Application deadline is May 11<sup>th</sup>
- College Admission Requirements must be completed by May 20<sup>th</sup>

See your high school counselor for more information!

**Enrollment Questions? Contact:**  
Michalene Lichon, [lichon@sresd.org](mailto:lichon@sresd.org)  
989.743.3471  
[www.sresd.org](http://www.sresd.org)



## SHIAWASSEE COUNTY SCHOOL DISTRICTS

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Byron High School  
312 West Maple Street  
Byron, Michigan 48418  
810.266.4620



Corunna High School  
417 King Street  
Corunna, Michigan 48817  
989.743.3441



Durand High School  
9575 Monroe Road  
Durand, Michigan 48429  
989.288.3468



Laingsburg High School  
8008 Woodbury Road  
Laingsburg, Michigan 48848  
517.651.5091



Morrice Jr/Sr High School  
691 Purdy Lane  
Morrice, Michigan 48857  
517.625.3143



New Lothrop High School  
9285 Easton Road  
New Lothrop, Michigan 48460  
810.638.5054

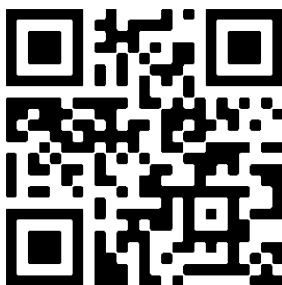


Owosso High School  
765 North Street  
Owosso, Michigan 48867  
989.723.8231



Perry High School  
2775 Britton Road  
Perry, Michigan 48872  
517.625.3104

# Use the QR Code below to enroll in a program today!



**Shiawassee**  
Regional Education Service District

It is the policy of the Shiawassee Regional Education Service District (RESA) that no discriminatory practices based on gender, race, religion, color, age, national origin, disability, height, weight, marital status, sexual orientation, political affiliations and beliefs, or any other status covered by federal, state or local law be allowed in providing instructional opportunities, programs, services, job placement assistance, employment or in policies governing student conduct and attendance. Any person suspecting a discriminatory practice should contact the assistant superintendent for special education, 1025 N. Shiawassee Street, Corunna, MI, 48817, or call 989.743.3471.  
TDD: 989.743.6102

Lack of English skills is not a barrier to admission in CTE programs.