

# Clinton Country Career Connection Courses

The following courses are available to juniors and seniors and provide possible LCC, Mid Michigan, or Delta College credits. Classes are year-long and replace 2 classes each trimester.

## **AGRISCIENCE, FOOD AND NATURAL RESOURCES**

Join us as we learn about our natural world and explore a broad range of subjects related to Agriscience, Food, and Natural Resources. Students will enjoy abundant opportunities for real-world, occupationally relevant, hands-on learning and career preparation through this program. AFNR students learn inside and outside of the classroom through projects, field experiences, supervised agricultural experiences, and internships. A strong demand exists for well-trained, environmentally sensitive individuals to protect our natural resources and provide our state, nation, and world with enough healthy food and sustainable fiber and fuel. Students in this program will explore broad range of AFNR Career Pathways through their weekly coursework and field experiences.

**Course Location:** St. Johns High School

## **ALLIED HEALTH\_(YEAR 1)**

*Prerequisites: Students must have local approval based on high school graduation requirements.*

*Students will be responsible to purchase a “uniform”. Students will need access to the internet for online instructional days.*

Does caring for individuals who are sick interest you? Or trying to determine what illness a person has interest you? Maybe you like approaching health from an angle of prevention, or developing research for cures, or using technology to treat a disease. In Allied Health, students will build a wide range of basic knowledge that can be applied to a variety of careers tied to health care such as learning medical terms, medical ethics, prevention of illness, anatomy of body systems as well as diseases that affect the system, how food and exercise play a role in health, and a view into insurance. Students will take that knowledge and apply it to health care skills such as taking vital signs, performing CPR, and using AED, basic patient care skills, and safety precautions. This course is a prerequisite for the Allied Health Internship course.

**Course Location:** CCRESA

## **ALLIED HEALTH INTERNSHIP (Year 2)**

*Prerequisites: Students must have local approval based on high school graduation requirements. Allied Health I.*

*Students will be required to purchase a “uniform”. Students must complete the intent to return process. Instructor Approval*

*Admittance into the Program is based on multiple factors including 1) Allied Health Grades, 2) Reference letter, 3) A student written paper, 4) Interview with Advisory Board Members. Field Placement Requirements: To provide up-to-date immunization record and take a two-step TB skin test.*

This module-based course for seniors is designed to present and provide limited career exploration opportunities for multiple health care careers in the following core areas: Dental, Nursing, Medical Assisting, Imaging Technology areas (Radiology and Sonography), Laboratory and Technology related areas, Special Needs Health Care, Surgical Technology, Integrated and Holistic areas (Nutrition, Massage, etc.), Pre-Medicine related areas, Physical Therapy related areas (including Occupational Therapy, Sports Medicine, etc.), and Age Based Health areas (including Pediatrics, Geriatrics, etc.). These core areas are based on availability of mentors in the career fields and may be subject to change. Students will rotate through modules to explore duties and responsibilities within each career. Time will be spent between the modular components of the course reviewing employability skills and attributes designed to assist the student with assessing their career selection fit, and the development of self-promotion, interviewing, and general employability skills.

**Course Location:** CCRESA

## **AUTOMOTIVE TECHNOLOGY & REPAIR – YEAR 1 & 2**

*Prerequisites for Automotive Technology & Repair Year: Students must have local approval based on high school graduation requirements.*

*Prerequisites for Auto Technology Repair Year 2: Students must have local approval based on high school graduation requirements. Automotive Technology & Repair year 1. Students must complete the intent to return process. Instructor Approval.*

If you are a student who enjoys taking apart and putting them back together or wrenching on your own car, the Auto Services program may be a great fit for you! You will have access to an online book, spend minimal time in the classroom and get right to work out in the shop. Our curriculum will cover breaks, suspension, electrical, engine performance, engine repair, HVAC, manual and auto transmission, and an introduction into electric cars. You will have the opportunity to obtain Automotive Service Excellence (ASE) entrée level certifications in 2 years, receiving 8-10 certifications. When you successfully complete the class, the goal is that you can be a better consumer and have the skills necessary in helping automotive technicians. Other opportunities, if you work hard, are entry level positions at a tire shop, oil change station, or car dealership. If you choose to attend college after high school, you will be more advanced than other students.

**Course Location:** St. Johns High School

High School credit by exam with Lansing Community College ASE MLR rated class

### **BUSINESS MANAGEMENT AND ENTREPRENEURSHIP (Year 1)**

*Prerequisite: Students must have local approval based on high school graduation requirements.*

*Method of Instruction: ONLINE with required class days at DeWitt High School*

Ever wonder what it takes to own your own business, be your own boss and write your own paycheck? This course will introduce students to the world of entrepreneurs and their role in the economy.

During the first semester, students will combine an online and traditional learning experience with an emphasis on entrepreneurship and starting a business while having work experiences in the class, print shop and café. Typically, three days online and two days face-to-face. Along with running two businesses, students will have the opportunity to write a business plan for an innovative idea of their own.

The second semester will provide students with a more in-depth work experience in the Café and the Print Shop with an emphasis on business ownership. Typically alternating one week working in the business and one week online. This course is a must have for the future business leader!

**Course Location:** DeWitt High School

High School credit by exam with Lansing Community College

### **BUSINESS MANAGEMENT AND ENTREPRENEURSHIP (Year 2)**

*Prerequisite: 1) Business Management and Entrepreneurship Year 1 2) Students must have local approval based on high school graduation requirements. 3) Students must complete the intent to return process. 4) Instructor Approval.*

*Method of Instruction: ONLINE with required class days at DeWitt High School*

During the first semester, students will combine an online and traditional learning experience with an emphasis on managing a business. They will continue to develop and hone the skills and knowledge obtained in year 1 as they take on managerial roles in the classroom and the class businesses. Areas of study include: Problems of small business operation, going into business, financing business, the feasibility study, marketing, and management of business phases. The second semester of this course will offer an opportunity to work as an intern in the business field.

**Course Location:** ONLINE with required class days at DeWitt High School

High School credit by exam with Lansing Community College

## **CAD & DESIGN TECHNOLOGY I & II**

*Prerequisites for CAD & Design I & II: 1) Students must have completed a basic drafting course at their local high school. 2) Students must have local approval based on high school graduation requirements.*

*Prerequisites for CAD & Design II: 1) Students must have completed a basic drafting course at their local high school. 2) CAD & Design I. 3) Students must complete the intent to return process 4) Instructor Approval*

CAD and Design Technology is a program for those interested in designing and creating, drawing, house design, product design, 3D computer graphics, and working with your hands and minds. This project-based program allows you to gain high-level experience and skills in engineering design and architecture. You will learn how these disciplines interact in the building of products, buildings, and communities. Turn ideas into products using the same design, drafting, and 3D modeling as professional architects and engineers.

### **DESIGN PATH OPIONS:**

Engineering Path:

If you choose this path you will learn the basic and advanced skills common to all engineering careers while learning about different engineering disciplines. Learn to sketch ideas, use 2D and 3D CAD software and 3D printing to examine the results of your designs.

Architectural Path:

You will learn to read and create blueprints. Learn to create architectural sketches, presentation drawings for homes and light commercial buildings. See designs come to life through model mockups and 3D printing.

**Course Location:** St. Johns High School

High School credit by exam with Lansing Community College

### **COMPUTER SECURITY**

*Prerequisites: Students must have local approval based on high school graduation requirements.*

The Computer Security program is designed to start students on a Cybersecurity Pathway. It provides an in-depth look at Cybersecurity, how computers and networks operate. Overview of Operating Systems and Hardware, Principles of Security, Introduction to Cryptography, Physical Security, Web Security, Malicious Software and Attacks, Vulnerabilities and how to defend them. You will install, configure, and secure various operating systems. You will also troubleshoot computers and peripherals, using systems tools and other diagnostic software. You will have the opportunity to develop the skills in building, maintaining, and administering modern computer networks. Enjoy some friendly competition? Compete in different Cyber Challenges and Play Capture the Flag (CTF) competitions. You will also meet with and workers in the Cyber Security Industry from around the state, from both the Government and Public Sector. Upon successful completion of the Computer Security Program, you may qualify to take the CompTIA A+ certification.

**Course Location:** CCRESA

## **CONSTRUCTION TRADES - Year I**

*Prerequisite for Construction Trades I: Students must have local approval based on high school graduation requirements.*

*This course will be taught using a combination of presentations both in the laboratory and on the job site. Lumber industry careers, blueprint reading, estimating, and safety will be covered.*

Students will become acquainted with the procedures for purchasing land, developing sites, securing utilities, hiring contractors, securing permits, building procedures and project closeout. Students will be exposed to blueprint reading, estimating, ordering materials, and installing materials according to codes and specifications.

The student will demonstrate substantial proficiency in the basic building procedures and practices.

Emphasis will be placed on the need for safe work habits and the development of cooperative working relations.

The student must develop an ability to see a job that needs to be done and do it.

**Course Location:** CCRESA

High School credit by exam with Lansing Community College

## **CONSTRUCTION TRADES - Year II**

*Prerequisites: 1) Students must have local approval based on high school graduation requirements. 2) Construction Trades I. 3) Students must complete the intent to return process. 4) Instructor Approval*

Coursework will expand on first-year topics in an applied lab setting. Course may include a major residential building project.

**Course Location:** CCRESA

High School credit by exam with Lansing Community College

## **CRIMINAL JUSTICE - Year 1**

*Prerequisites: 1) Students must have local approval based on high school graduation requirements. 2) No Criminal History. 3) Instructor Approval. 4) Students will be required to purchase a "uniform".*

If the legal industry excites you, this program may be a great fit! This program starts with being introduced to the components of the criminal justice system. You will examine corrections, courts, police systems, as well as history, relationships, administration, and philosophy of the criminal justice system. You will learn the importance of community-based corrections services including sentencing alternatives and process, probation, parole, and imprisonment. Criminal investigation will cover the rules of evidence from its history development through the present day. You will learn all this using real world cases. You will also earn your first aid certification.

**Course Location:** CCRESA

## **CRIMINAL JUSTICE - Year 2**

*Prerequisites: 1) Students must have local approval based on high school graduation requirements. 2) No Criminal History. 3) Criminal Justice Year 1 with a minimum grade of 2.0 4) Students will be required to purchase a “uniform” along with black leather boots. 5) Students must complete the intent to return process. 6) Instructor Approval.*

Coursework will expand on first-year training at a higher tempo with emphasis on academics, hands-on participation, and physical fitness. Each student will participate in:

- Community Service
- SkillsUSA Competitions and Leadership activities
- Multiple job shadows with various Clinton County Criminal Justice agencies
- Field Trips
- Students create a resume, sample cover letter, & participate in mock job interviews with members of the criminal justice advisory committee.

**Course Location:** CCRESA

## **VIDEO AND AUDIO PRODUCTION - Year 1**

*Prerequisite: Students must have local approval based on high school graduation requirements.*

*This course is an integration of Video production, audio production and digital media production.*

**Video Production:** This program is an extensive hands-on experience in all facets of video production, both in studio and in the field. The class contains a broadcast journalism unit featuring TV newscasts using a professional broadcast TV news set. You will also learn the role of reporter, photographer, drone photographer, director, writer, producer, and editor.

**Audio Production:** This component of the course emphasizes the creation of audio projects including commercials, podcasts, dramatic work, talk shows, and music. Audio fundamentals and advanced audio production are covered.

**Digital Media Production:** Learn to integrate video and audio programs into digital media formats. Emphasis will be on taking finished programs and converting them into streaming media.

**Course Location:** Ovid-Elsie High School

## **VIDEO AND AUDIO PRODUCTION INTERNSHIP - Year 2**

*Prerequisites: 1) Students must have local approval based on high school graduation requirements. 2) Digital Media Arts I 3) Students must complete the intent to return process. 4) Instructor Approval.*

Students will pick either a Television or Radio track. The focus of this course is deep exploration of the theory and practice of what it takes to be a successful TV or Radio professional. In addition to working every day at a Radio or Television Station, students will be expected to complete at least one major original work and enter it for competition. Students will also help teach other students. After successful completion of this course, students will have extensive “real-world” experience in TV or Radio. Students will have developed practical skills that will make them employable in their chosen area of concentration. They will also be exceptionally prepared for further study at the college level.

In general, students will:

- Perform day-to-day job duties as WOES-TV or Radio staff member
- Complete one or more long-form special project(s)
- Be expected to take responsibility for learning advanced software and hardware components
- Be expected to act as mentors and help instruct Year I students
- Complete other academic and extracurricular duties as assigned

Specifically, each student will:

- Receive a personalized course of study
- Be assigned to a TV or Radio job position
- Have written performance evaluations every month
- Take midterm and final exams each semester to assess level of mastery of academics pertaining to their chosen field
- Be guided through the process of producing a major work for TV or Radio

**Course Location:** Ovid-Elsie High School

## **EDUCATION: EARLY CHILDHOOD**

*Prerequisite: 1) Students must have local approval based on high school graduation requirements.*

Early childhood development is a foundation for over 100 careers and understanding how children grow and develop is important to many fields beyond education and daycare. Understanding child development impacts the fields of: Pediatric Medicine, Therapy Specialists, Mental Health, Family Services, General Services, and Legal and Nonprofit careers. In addition, you will learn about guiding children’s behavior and communicating effectively with children.

**Course Location:** CCRESA

## **EMERGENCY SERVICES/FIRE SCIENCE**

*Prerequisites: 1) Students must have local approval based on high school graduation requirements. 2) Students will be required to purchase a “uniform”.*

This program is a structured “attention on deck” environment and the training is exciting and meaningful. You will earn 32 industry standard certifications: NIMS/TIMS, Wildland and Firefighter II, 1<sup>st</sup> aid, CPR/AED, Blood Born Pathogen, Body Substance Isolation, and many more. This program offers reality simulations, scenarios, and educational lessons immediately capturing the student’s attention, helping to improve training effectiveness, and student readiness. We offer online, project-based hands on learning, and one-to-one interaction.

**Course Location:** CCRESA

## **SPORTS MEDICINE**

*Prerequisites: 1) Students must have local approval based on high school graduation requirements.*

This course is for those wishing to pursue a profession in Sports Medicine. Included in this course are components of kinesiology, exercise science, physical activity, injury prevention, rehabilitation, nutrition, and maintaining a healthy lifestyle. The opportunity to understand and navigate the college/university environment, value of learning, and student responsibilities within the healthcare culture, interprofessional education, ethical and legal issues, employment opportunities, and market demands. All of this while having the opportunity for hands on experiences and real-world situations.

**Course Location:** CCRESA

## **WELDING**

*Prerequisites: 1) Students must have local approval based on high school graduation requirements.*

Clinton County Career Connections welding is the intro for stick, mig, tig, and cutting processes for metals of all types. Students will learn fabrication and techniques for current industry requirements and job placements. Average pay rate for a two-year experienced welder and fabricator are upwards of 50-100k per year. Experienced welders making upwards of 170k per year. Fabrication and welding industries are in high demand and are increasing. Projects will be assigned and built during class from the students’ drawings and blueprints. Steel, aluminum, stainless steel, and cast iron are used in the class and are welded with up-to-date welding machines and processes. Advanced students can learn pipeline welding procedures as well.

**Course Location:** Ovid-Elsie High School