

Montgomery and Macoupin County CTE Programming

Regionally
Shared

SCI Programs

- Construction Craft Preparation Program
- Automotive Technology
- Welding Technology
- CNA Litchfield
- EMT
- Education Pathway
- Child Development Associate/Lily Pad Learning Center Internship
- IT HelpDesk
- Industrial Maintenance Technology

2001 Eilerman Ave, Litchfield

Apply Now!

Consortium Programs

- Ag Academy
- Building Trades
- Precision Machining
- CNA
- Early Childhood Child Care
- Advanced Culinary Arts

**See next page for full
class descriptions**

www.lcusd12.org/o/sci

Class Descriptions – SCL Center

- **Automotive Technology:** The automotive pathway explores all areas of current vehicle technology. Throughout the courses, students learn the basics of how these systems work as well as how to diagnose and repair problems. Students are also exposed to the business aspect of the automotive world and get to see first hand the skills and demeanor required to work in the field through shadowing opportunities with our local dealership partners. These courses are dual credit through Lincoln Land Community College. Students who complete the 2 year sequence will be 38% complete with coursework toward a year Automotive Technician certificate.
- **Construction Craft Preparation:** These courses are taught by Illinois Joint Training Apprenticeship Instructor. These courses will consist of both classroom and hands-on training in the knowledge and skills needed to become a Construction Craft Laborer. Both first and second year will consist of 4 smaller courses spread out over 2 Semesters. The full program will introduce students to a wide variety of skills and knowledge they can expect to use regularly on job sites. The courses will provide a classroom-based instruction and performance-based experience through extensive hands-on job task activities. Students will be assessed on their ability to perform construction tasks in each specific course, both to accomplish job tasks efficiently and to follow all safety regulations and standard operating procedures. In addition, students will receive OSHA-10 Safety certification and complete about 70% of union apprenticeship coursework at the conclusion of the 2 year program.
- **Education Pathway:** These courses are primarily online, with an in-person option at Litchfield High School. Students engage in a sequences of classes that lay the foundation for continued pursuit of a degree in education. Students who complete both Year 1 and Year 2 will receive dual credit for 4 introductory education classes.
- **EMT:** Taught by Litchfield First Responders and held at the Litchfield South Firehouse, this course incorporates the study of how to respond to emergency calls to provide proper emergency care to the critically ill or injured and how to handle, extricate and transport patients to a medical facility, with the goal of saving lives. It includes determining the nature and extent of illness or injury, establishing priorities for required emergency care, and maintaining basic life support services Student who successfully complete the coursework, clinicals, and the National Registry test will obtain EMT certification.
- **CNA:** This course is designed to prepare students seeking employment as assistants to nurses in nursing homes, hospitals and home health care settings. It includes both classroom instruction and clinical experience. Students successfully completing the program will have met state requirements for working in long-term nursing facilities and are eligible to take the required IDPH Nurse Aide Competency exam.
- **IT Help Desk Jump Start:** Students complete a large portion of their IT Help Desk certification through Lincoln Land Community College. This fully online pathway covers technology concepts and trends underlying current and future developments in information technology, and fundamental principles for the effective use of computer-based information systems. The courses explore the variation and future development of application, system software, hardware, network and security. Special emphasis is placed on social and ethical issues pertaining to the web, e-commerce and distributed computing. Students study system analysis, programming and database creation using hands on exercises along with learning about career opportunities in the fast growing field of technology.
- **Welding Technology:** This pathway is designed to provide students with an understanding of arc welding fundamentals, welding safety, arc welding machines, electrode classifications and electrode selection. Students learn skills that are necessary to make high quality shielded metal arc welds in the flat and horizontal positions utilizing single and multiple-pass fillet and groove welds. Students are also introduced to oxyacetylene cutting. These are dual credit classes through LLCC. Students who complete each of the courses in the 2 year period will receive a Shielded Metal Arc Welding Certificate from Lincoln Land Community College.
- **Industrial Maintenance Technology:** This 2 year coursework sequence, taught at LLCC Litchfield Campus, culminates in an Industrial Maintenance Technology Certificate of Completion. Students will be exposed to concepts in related to automated manufacturing including workplace safety, principles of electricity and circuits, transformers and AC Circuits, mechanical drive systems, pneumatic and hydraulic systems, and mechatronic blueprint reading.
- **Child Development Associate and Lily Pad Learning Center Internship:** Students have the ability to earn their Child Development Associate certificate by completing internship and classroom hours. Students will be provided with academic and hands-on training needed to build the skills and knowledge in emotional, physical, intellectual, and social development of young children. They will also receive guidance to meet the Council's requirements to submit a CDA application, pass the qualifying exam, and succeed through an on-site evaluation.

Class Descriptions - Consortium

- **Manufacturing and Precision Metals** (Mt. Olive): These courses are dual credit through SWIC and expose students to concepts in the trade of metal fabrication and machining. Students will use CNC as well as other machines .
- **Ag Academy** (Raymond): This sequence of coursework over two years exposes students to intro to ag mechanics, farm management, farm animal production, ag economics/crop production, and agribusiness sales and management. Courses are taught by Lincolnwood High School staff and are dual credit through LLCC.
- **Building Trades** (Hillsboro): This sequence of coursework provides instruction on construction including carpentry, blueprints, plumbing, and safety over the course of two years and consists of both classroom and lab work. Students, under the supervision of the instructor and local contractors, build a home from start to finish. Additionally, students are exposed to industrial construction through site visits and guest speakers. If completing the two year sequence, students have the opportunity to receive 18 college credits through LLCC and OSHA-30 certification.
- **Education Pathway** (Hillsboro/Coffeen Early Childhood Center): This two-year program begins with EDU 201, Intro to Education. During the first semester, students choose between two pathways: one geared towards early childhood education and the other for K-12 education. Early childhood students continue with the instructor for the next three semesters to achieve their ECE and CDA credentials. Students selecting the K-12 pathway enroll in online courses through the SCI Center and are placed in internship hours to meet the course requirements. Students in both pathways continue to receive support from the instructor.
- **Basic Nursing Assistant Program/CNA** (Hillsboro): This CNA program is taught by a HHS instructor and is approved by IDPH. Students complete both coursework and clinicals as Hillsboro Hospital. Upon completion of coursework, clinicals, and a competency exam, students will receive their CNA license. This course is also dual credit through LLCC.
- **Advanced Culinary Arts: The Bakeshop** (Nokomis): This advance dual credit course is taught by a NHS staff member and is dual credit through LLCC. The course introduces students to equipment, techniques, formula conversions, and ingredients of a professional bakeshop. Students make cookies, pies, quick breads, yeast breads, cakes, and other bakery items.