

**St. Lawrence-Lewis BOCES
Board of Education Review
June 1, 2023**

Program Re-Approval 2022-2023

A. Program Information

NYSED approval of four CTE programs: **Agricultural Studies, Culinary Arts HVAC/R (Heating, Ventilation & Air Conditioning/Refrigeration), and Metalworking Technology** will expire on June 30, 2023.

Program of Study	Credits Approved	Year Re-approved	Program Review	Anticipated Re-approval Date
Agricultural Studies CIP #01.0000 Non-Trad. Female SED # 01594	1 Unit Specialized Math 1 Unit Integrated Science 1 Unit Integrated ELA	2018-2019	5/2/2023	8/2023
Culinary Arts CIP #12.0500 Non-Trad. Female SED # 00507-M	1 Unit Specialized Math 1 Unit Integrated Science 1 Unit Integrated ELA	2018-2019	5/2/2023	8/2023
HVAC/R CIP #47.0201 Non-Trad. Female SED # 00508-M	1 Unit Integrated Math 1 Unit Integrated Science 1 Unit Integrated English	2018-2019	5/2/2023	8/2023
Metalworking Technology CIP #48.0508 Non-Trad. Female SED # 00612-M	1 Unit Integrated Math 1 Unit Integrated Science 1 Unit Integrated English	2018-2019	5/2/2023	8/2023

Approval by New York State Education Department allows students to receive Technical Endorsement. They must be re-approved by NYSED in order to be offered to our students as approved programs in September 2023.

- Agricultural Studies is offered at Cornell Cooperative Extension Center and supervised by Lori Sheffield.
- Culinary Arts is offered at all three CTE Centers.

- HVAC/R is offered at Seaway and Northwest CTE Centers.
- Metalworking Technology is offered at all three CTE Centers.

B. Achievements

Program Achievements Since 2018-2019 (Does not include 2022-2023 school year statistics)				
CTE Program of Study	Students Completing	Students Completing with Special Education Services	Students Receiving Technical Endorsement	Percentage of Students Receiving Technical Endorsement
Agricultural Studies	30	4	26	86.67%
Culinary Arts	134	65	101	75.37%
HVAC/R	82	23	62	75.61%
Metalworking Technology	177	72	129	72.88%

C. Program Content

Curricular changes have been communicated to the component districts through:

- Superintendents CTE Sub Committee
- Secondary Principal Meetings hosted in districts throughout the BOCES
- Guidance Counselor Meetings
- Math, Science, and ELA teachers from the component districts received online access via Rubicon Atlas to review curriculum materials and course outlines.
- Math, Science and ELA Integration Support Document Review Meetings included certified ELA, Math and Science teachers from component districts
 - Science – Melinda Martin, Morristown and Matt Shaver, Ogdensburg
 - Math – Jacob Jeneault, Ogdensburg and Carol Meyer, Hammond
 - ELA - Trudy Caswell-Ryan, Madrid Waddington and Ginger Coller, Heuvelton

D. Work-Based Learning

All students completing the programs have participated in a minimum of 54 hours of work-based learning. Work-Based Learning hours and locations are documented in School Tool.

- **Agricultural Studies** students have been placed in WBL job shadows throughout St. Lawrence County. They also have on-site access and working partnership with Cornell Cooperative Extension Farm.
- Culinary Arts students have the unique opportunity to complete many hours of work-based learning on-site providing a variety of catering for in-house events, community catering as well as staff lunches.
- **HVAC/R** students are placed at a variety of local businesses. They have the opportunity to work in community-based locations such as the ELKS Lodge in Ogdensburg, where students installed 2, 2 ton heat pumps to get valuable hands on experience.
- **Metalworking Technologies** students are placed at a variety of locations across St. Lawrence County. Several of these students are participating in paid internships.

E. Employability Profile

- The 21st century skills that refer to a broad set of knowledge, skills, work habits and character traits that are critically important to success in collegiate programs, contemporary careers and workplaces.
 - Communication Skills
 - Collaboration
 - Creativity & Innovation
 - Health & Safety
 - Problem Solving & Critical Thinking
 - Personal Management Skills
 - Interpersonal Skills
 - Conflict Resolution
 - Technology Skills
- Course Competencies that are specific to each program of study and are updated annually.

F. Technical Assessment (three parts)

- **Written and Performance:**
 - **Agricultural Studies** - National Occupational Competency Testing Institute (NOCTI): NOCTI # 3063 Production Agriculture – Written and Performance Exams
 - **Culinary Arts** – NOCTI #4536 Culinary Arts Cook – Written Exam; ProStart/ServSafe – Performance Exam

- **HVAC/R** – NOCTI #3045 Heating, Ventilation, Air Conditioning – Written and Performance Exams; EPA 608 Certifications – Universal: Core, Type 1, Type 2, or Type 3 – Written Exams
- **Metalworking Technology** – NOCTI #4272 Welding - Written and Performance Exams
- **Senior Project** – Designed by instructors with students and assessed by instructors through the use of a rubric

G. Articulated Credit and Dual Enrollment Agreements:

Students benefit with college credit and advanced standing at post-secondary institutions:

- **Agricultural Studies**
 - SUNY Jefferson
- **Culinary Arts**
 - Alfred State College
 - Bryant and Stratton College
 - National Restaurant Association Prostart Passport
 - SUNY Cobleskill
 - The Culinary Institute of America
- **HVAC**
 - SUNY Canton
 - Mohawk Valley Community College
 - University of Northern Ohio
- **Metalworking Technology**
 - Advanced Welding Institute
 - SUNY Canton
 - SUNY Cobleskill
 - Mohawk Valley Community College

H. Faculty and External Review Committee

- Mid and End of the Year Evaluation Meetings
- Program Indicators
- Self-study Meetings conducted
- Advisory Committee Meetings – various dates throughout March 2023
- External Review Meeting May 2, 2023

I. Teacher Certification

Staff are highly qualified and hold NYS teacher certification in the academic content area(s) for which academic credit is being offered.

Request for Board Approval

Programs requesting St. Lawrence-Lewis BOCES BOE approval for 2022-2023.

- Agricultural Studies (Cornell Cooperative Extension Farm)
- Culinary Arts (SATC, NWT & SWT)
- HVAC/R (SATC, & NWT)
- Metalworking Technologies (SATC, NWT & SWT)

Program scheduled for approval / re-approval 2023-2024:

- Health Careers (SATC, NWT & SWT)