

**St. Lawrence-Lewis BOCES
Board of Education Review
May 14, 2026**

A. Program Information:

NYSED approval of 4 CTE programs: **Cosmetology, Heavy Equipment Operation, Natural Resource Management** and **Professions In Education** will expire on June 30, 2026.

| Program of Study | Credits Approved (currently) | Yr Approved Reapproved | Program Review | Anticipated Approval/Reapproval Date |
|---|--|------------------------|----------------|--------------------------------------|
| Cosmetology CIP # 12.0401 Non-Trad - Male | 1 Unit Specialized Math 1 Unit Integrated Science 1 Unit Integrated ELA | 2021-2022 | 4/15/26 | 8/2026 |
| Heavy Equipment Operation CIP # 49.0202 Non-Trade - Female | 1 Unit Specialized Math 1 Unit Integrated Science 1 Unit Integrated ELA | 2021-2022 | 4/21/26 | 8/2026 |
| Natural Resource Management CIP # 15.0507 Non-Trad - Female | 1 Unit Specialized Math 1 Unit Integrated Science 1 Unit Integrated ELA | 2021-2022 | 4/15/26 | 8/2026 |
| Professions In Education CIP # Pending Non-Trad - Male | 1 Unit Specialized Math 1 Unit Specialized Science 1 Unit Integrated ELA | 2021-2022 | 4/15/26 | 8/2026 |
| Animal Science CIP # (anticipated) 01.8301 Non-Trad - | TBD | N/A | 4/15/26 | 8/2026 |

Approval by New York State 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 2026.

- **Cosmetology** is offered at all 3 CTE Centers
- **Heavy Equipment Operation** is offered at Southwest Tech
- **Natural Resource Management** is offered at Northwest Tech and Seaway Tech
- **Professions In Education** is offered at all 3 CTE Centers
- **Animal Science** is being submitted as a New Program, to be offered at Seaway Tech

B. Achievements:

| Program Achievements Since 2021-2022 (Does not include 2025-2026 School Year statistics) | | | | |
|---|----------------------------|---|---|---|
| Program of Study | Students Completing | Students Completing with Special Education Services or 504 Plans | Students Receiving Technical Endorsement | Percentage of Students Receiving Technical Endorsement |
| Cosmetology | 177 | 55 | 132 | 75% |
| Heavy Equipment Operation | 63 | 24 | 50 | 79% |
| Natural Resource Mgmt | 114 | 38 | 70 | 61% |
| Professions In Education | 95 | 24 | 83 | 87% |

C. Program Content:

Curricular changes have been communicated to the component districts through:

- Superintendents CTE Sub Committee
- Secondary Principal Meetings hosted at ESC and the CTE Centers
- CTE Counselors Meetings
- Math, Science and ELA teachers from the component districts received online access via Rubicon Atlas to review the curriculums, including concepts taught in each Unit of Study, hours of instruction and to which NYS standards the concepts align.
 - Math- Megan Sovie, GCS and Jason Felix, PHCS
 - Science- Matt Shaver, OFA and Sarah Wood, GCS
 - ELA- Trudy Caswell-Ryan, MWCS and Deborah Wohnsiedler, CFCS

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 our online platform JobReady360.

- **Cosmetology** students complete their job-shadowing at local salons, doing hair and makeup for school play productions and birthday parties, and at Back-To-School events (giving haircuts to children).
- **Heavy Equipment Operation** students complete their co-op experience hours with local municipal Highway Departments, with component districts, Bill Rapp Chevrolet dealership, NTC Contracting, Spilmans's Excavating and Trucking
- **Natural Resource Management** students complete their co-op experience hours with NYSDEC, Upstone Materials, Town Highway Departments, family farms, logging and tree companies, and the NYS Department of Parks & Recreation.
- **Professions In Education** students complete their co-op experience hours in local district classrooms, spanning from Kindergarten to Middle School and including Special Education and Physical Education classrooms.

E. Employability Profile:

This performance rubric rates completing students on a **T (theory only), 1, 2, 3, 4** scale on:

- Program Standards and Skills
- Career Readiness Skills

The Career Readiness Skills reflect universal employability skills, the SkillsUSA Framework, and Portrait of A Graduate, and include:

- Reliability and Accountability
- Organization and Time Management
- Safety and Equipment Use
- Professionalism and Effort
- Communication
- Teamwork and Problem Solving

F. Technical Assessment (three parts):

- Written and Practical
 - **Cosmetology**-NOCTI NY-customized Cosmetology (test code: 9776)
 - **Heavy Equipment Operation**-NCCER developed Written, with average of NCCER Performance Tests used as Performance portion

- **Natural Resource Management**-NOCTI NY-customized Conservation (test code: 7426)
- **Professions In Education**-Precision Teaching As a Profession 1 (test code: 11)
- **Animal Science** will use-Precision Veterinary Assistant 1 (test code: 124)
- Senior Project/Portfolio-Designed by teachers and assessed by teachers and sometimes guests (CTE Consultant Teachers, CTE Counselor, CTE Principal, Advisory Committee member), with a rubric. **Cosmetology** creates a 3D model of a salon, calculates cost of equipment/rent/products, and create a business plan. **Heavy Equipment Operation** stakes out a road and calculates cost to build it including materials and labor. **Natural Resource Management** students research and/or build models based on topics of interest including waterfowl, common snakes/habitats, farming, hydroponics. Seaway students create and present a 20-year forest management plan for a 10 acre field, including drawing a to-scale map of the parcel, expected cost of seedlings, income potential, timeline for treatment applications. **Professions In Education** students had choice on extensive research projects and presentations including: Technology in the Classroom, Inclusive Children's Book, Interview with an Education Professional, Gardner Bloom and You Reflective Artifact, a How-To Lesson Plan presentation, as well as addressing guiding questions such as: How did we get to the current school structure from the one-room schoolhouse? How has Title IX impacted schools and athletics? What laws have been passed to support students with disabilities to get an education? How has the government been involved in ensuring students are getting adequate food/nutrition?

G. Articulation Agreements and Dual Enrollment:

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

Articulation-

- Cosmetology
 - 3 cr. through Bryant & Stratton
 - 6 cr. through North Country Community College
- Heavy Equipment Operation
 - 4 cr. through Alfred State College
- Natural Resource Management

- 3 cr. through Paul Smith's College
- 3 cr. through SUNY Cobleskill
- Professions In Education
 - 6 cr. through SUNY Canton
 - 6 cr. through SUNY Cobleskill

- Animal Science
 - 6 cr. through SUNY Cobleskill

Dual Enrollment-

- Cosmetology
 - 6 cr. through North Country Community College
- Heavy Equipment Operation
 - 3 cr. through North Country Community College
- Natural Resource Management
 - 3 cr. through North Country Community College
 - 3 cr. through SUNY Canton
 - 3 cr. through SUNY Potsdam
- Professions In Education
 - 16 cr. through North Country Community College
 - 3 cr. through SUNY Potsdam

H. Faculty and External Review Committee:

- Mid and End of Year Evaluation Meetings
- Program Indicators
- Self-study Meetings
- Advisory Committee Meetings
- External Review Meetings - April 15 and April 21, 2026

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.

J. External Review Recommendations Summary:

Based on the review of self-study, curriculum review, presentations and tour, review committee recommended the following which are currently in consideration and action/planning phases:

Cosmetology:

MATERIALS/RESOURCES: No recommendations

CURRICULUM: Teachers are seeking professional development on working with ethnic hair; include more scaffolded and articulated workforce readiness

WBL: It is recommended that the Small Business Development Center present to students to assist with their Business Plan portion of their Senior project;

MATH/SCIENCE/ELA: No recommendations

Heavy Equipment Operation:

MATERIALS/RESOURCES: Needs updated equipment with modern controls; quality and quantity of equipment is important; simplify process for donations; physical classroom/lab space is concern

CURRICULUM: It is recommended that students learn to excavate around buried pipes and learn equipment maintenance, specifically leaf springs and brakes; expand dual enrollment opportunities;

WBL: Empire State Mines wants to grow their partnership with the HEO program; complete more site visits to learn about local employment opportunities;

MATH/SCIENCE/ELA: No recommendations

Natural Resource Management:

MATERIALS/RESOURCES: physical classroom/lab space is concern

CURRICULUM: Consider adding OSHA-excavating and Skidsteer training; consider bolstering hydrology content (through field trips/presentation by Brookfield Renewables);include more scaffolded and articulated workforce readiness

WBL: Maintain industry partnerships

MATH/SCIENCE/ELA: No recommendations

Professions In Education:

MATERIALS/RESOURCES: It came up during the student-led tour that with Professions In Education program being off-campus, at Norwood-Norfolk Central

School, students are concerned about their lack of access to a Counselor and M/S/ELA Consultants; physical classroom space is a concern

CURRICULUM: Ensure curriculum includes teaching students with disabilities; include more scaffolded and articulated workforce readiness

WBL: No recommendations

MATH/SCIENCE/ELA: No recommendations

Animal Science:

MATERIALS/RESOURCES: No recommendations

CURRICULUM: It is recommended that students are prepared for fact that they may not meet direct program admission requirements given that they aren't getting higher level High School Math (with 2 years of half day CTE enrollment); include scaffolded and articulated workforce readiness

WBL: No recommendations

MATH/SCIENCE/ELA: No recommendations

Request for Board Approval

Programs requesting St. Lawrence-Lewis BOCES BOE reapproval for 25-26

- Cosmetology
- Heavy Equipment Operation
- Natural Resource Management
- Professions In Education

Program requesting St. Lawrence-Lewis BOCES BOE approval for 25-26

- Animal Science

Programs scheduled for approval 26-27:

- Automotive Technology (all CTE Centers)
- Digital Media Design (all CTE Centers)