NH Department of Education
**Bureau of
Career Development**

**Monitoring Report:** Mt. Washington Valley Career Technical Center

**Date:** November 21, 2022

New Hampshire Education law defines Career and Technical Education (CTE) in Chapter 188-E: 2(III).  Perkins V (2020) defines CTE in Sec. 3(5).  These definitions in statute form the basis for center wide and program level evidence collected prior to and during monitoring visits by the Bureau of Career Development of the New Hampshire Department of Education.  In addition, New Hampshire RSA 188E-3 (II) states: "Upon completion, the constructed or renovated facility shall become the property of the school district or public academy, for use by the career and technical education center exclusively".

**There are two goals for monitoring:**

1. To verify that programs within the center meet the definition of CTE included in Chapter 188-E: 2(III) and Perkins V (2020-2024) defines CTE in Sec. 3(5).
2. To provide center directors and teachers with recognition of exemplary programs where they exist, and to provide recommendations to inform continual improvement for CTE programs.

## Center Wide Evidence

| Item | Evidence | Purpose | Findings |
|------|----------|---------|----------|
| **Industry Recognized Credentials** | ▪ Current and valid articulation agreements for programs<br>▪ Dual enrollment agreements for programs<br>▪ Student performance data (pass rate, scores) for technical skill attainment leading to industry recognized credentials (IRCs). | ▪ Ensure students have the opportunity to earn college credit while in high school<br>▪ Ensure a program of study (continuum of CTE learning experiences spanning high school and postsecondary education and/or training)<br>▪ Ensure students have the opportunity to earn IRCs. | Mt. Washington Valley Career Technical Center (MWVCTC) has done an outstanding job ensuring students have post-secondary opportunities. MWVCTC has provided students with the opportunity to earn college credits from LRCC, WMCC, NHTI, SNHU, CMCC, SMCC and KSC.<br><br>Regarding industry recognized credentials (IRCs), students could earn IRCs in 9 of the programs.<br><br>**Advanced Manufacturing**<br>Prototrak,<br>NASA HUNCH,<br>Parasolid,<br>**Automotive**<br>ASE,<br>**CADD**<br>OnShape,<br>**Construction Trades**<br>OSHA 10,<br>**Culinary Arts**<br>ServSafe,<br>**HST**<br>LNA,<br>EMT,<br>CPR, |

| | | | |
|---|---|---|---|
| | | | **Marketing**<br>Social Media,<br>Marketing Specialist (Stukent),<br>**STEM Aviation**<br>Private Pilot's License,<br>Certified Commercial Drone Pilot's License,<br>**Teacher Education**<br> UDL,<br>CPR<br><br>*Running Start and AP classes do not count as an IRC. The programs that do not have an IRC need to have IRC implemented into the programs. |
| **Item** | **Evidence** | **Purpose** | **Findings** |
| **Competency Based Applied Learning** | ▪ Work-based Learning Plans<br>▪ Internship Agreements<br>▪ All Aspects of Industry activities carried out with Perkins Program improvement Grants.<br>▪ Other evidence of competency-based applied learning around employability skills, technical skills, and knowledge of All Aspects of Industry (AAI). | ▪ Ensure students learn essential knowledge and skills to approach mastery of program competencies, especially through applied learning in simulated environments and authentic workplaces when possible. | MWVCTC utilizes Student-Teacher-Achievement-Review (STAR) to communicate student achievement through competency-based mastery that provides a clear picture of student learning.<br><br>MWVCTC offers many opportunities for students to participate in ELO's and Work-based learning. |

| Item | Evidence | Purpose | Findings |
|---|---|---|---|
| **Enrollment Trends** | ▪ Current enrollment data for center and programs<br>▪ Enrollment data over time for center and programs. | ▪ Determine capacity for increasing student participation or assessing strategies to either maintain or increase enrollments. | The reviewer examined all evidence provided by the director. Although there was a slight increase in some classes, current enrollment trends have been steady and are back on the rise. |
| **CTE Spaces Dedicated to CTE** | ▪ Current floor plan, with CTE spaces and non-CTE spaces labeled. | ▪ Ensure CTE spaces constructed with NH State renovation funds are used primarily for CTE. | There are no concerns related to CTE spaces and non-CTE spaces—all CTE spaces intended for CTE are being used for CTE. The monitor can ensure that CTE square footage remains constant. |
| **Inventory** | ▪ Inventory records, records of reconciling equipment locations with inventory records. | ▪ Ensure inventory controls for equipment (items of $5,000 or greater purchase value) meet requirements outlined in CFR 200.313. | The inventory records are complete for this year and meet the requirements outlined in CFR 200.313. |
| **Other Indicators of Quality** | Could Include:<br>▪ Professional Development Plan<br>▪ Assessment/Plan for Special Populations Needs<br>▪ Strategies to Engage Parents and Families<br>▪ Any other activities, programs, initiatives the center wants to highlight. | ▪ Provide directors with the opportunity to highlight promising strategies and successes for CTE programs at their center(s). | MWVCTC has added Outdoor Rec into the programing. |

| Item | Evidence | Purpose | Findings |
|------|----------|---------|----------|
| **Discretionary Grant Spending** | ▪ Deliverables<br>▪ Evaluations of Project Effectiveness in Meeting Goals/Objectives<br>▪ Records of Monthly GMS reporting | ▪ Determine effective spending and implementation of projects funded from Perkins discretionary grants. | MWVCTC was granted 4 IRC grants in 21-22. Bike Tech, 3-D printer, Lathe, and Hand Scanner. There is a application in process for a grant for 22-23. |

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# CTE Monitoring Report

## Program One: Visual Media Arts

## Date: November 21, 2022

## Program Advisory Committee (PAC)

**Applicable Requirements:** NH RSA 188E-4-a

**Evidence Examined:**

| Summary and Analysis: |
|---|
| The program teacher and director shared that the program advisory committee (PAC) meetings occur on a regular basis. A review of recent meeting minutes and a conversation with the teachers provided information that the PAC meets twice a year, once in the fall and once in the spring. There is also interaction between members daily.  Members of the PAC include industry, post-secondary partners, and program alumni. Discussion with the teacher and review of the minutes show that there has been conversations on curriculum, competencies, industry technology and the direction the industry is going in. |
| **Recommendations:** |
| The Monitor has no recommendations at this time. |

## Program of Study

**Applicable Requirements:** Perkins V (2020-2024) Section 3:5-A

**Evidence Examined:**

**Summary and Analysis:**

The reviewer examined all evidence provided by the director. The Program of Study offers a sequence of courses providing students with academic content and relevant knowledge and skills to pursue careers in visual Media. The sequence of courses are Introduction to Visual Media - Storytelling for ½ credit ½ year, Visual Media – Intro to Film for ½ credit ½ year, Visual Media I 1 credit full year, Visual Media II is full year and 1 credit and Visual Media – Into to Photography for ½ credit ½ year, Visual Media Photography I & II each are full year and 1 credit.

**Recommendations:**

The Monitor has no recommendations at this time.

## Competency Practice and Reporting

**Applicable Requirements:** Perkins V (2020-2024) Section 3:5-A

**Evidence Examined:**

**Summary and Analysis:**

The reviewer examined all evidence provided by the director and the teacher. The reviewer found students have the opportunity to practice and demonstrate mastery of program competencies through class assignments.

**Recommendations:**

The monitor has no recommendations at this time.

## College Credit/Postsecondary Links

**Applicable Requirements:** Perkins V (2020-2024) Section 3:5-A

**Evidence Examined:**

| **Summary and Analysis:** |
|---|
| The reviewer examined all evidence provided by the director and teacher. Students have the opportunity to earn credits with Lakes Region Community College and Southern Maine Community College, through an articulation agreement. |
| **Recommendations:** |
| The monitor has no recommendations at this time. |

## Recognized Postsecondary Credentials

**Applicable Requirements:** Perkins V (2020-2024) Section 3:5-A

**Evidence Examined:**

| **Summary and Analysis:** |
|---|
| Students in the Visual Media program do not have an opportunity to earn an IRC. |
| **Recommendations:** |
| The monitor has recommends creating an IRC or seeing what industry recommends. |

## Work Based Learning and All Aspects of Industry

**Applicable Requirements:** Perkins V (2020-2024) Section 135:b-3

**Evidence Examined:**

| |
|---|
| **Summary and Analysis:** |
| The students in the program take part in a variety of work-based learning opportunities through local businesses. |
| **Recommendations:** |
| The monitor has no recommendations at this time. |

# CTE Monitoring Report

# Program Two: <span style="color:red">Computer Science</span>

# Date: <span style="color:red">November 21, 2022</span>

## Program Advisory Committee (PAC)

**Applicable Requirements:** NH RSA 188E-4-a

**Evidence Examined:**

| |
|---|
| **Summary and Analysis:**<br><br>The program teacher shared that the program advisory committee (PAC) meetings occur on a regular basis. A review of recent meeting minutes and a conversation with the teachers provided information that the PAC meets at least twice a year, once in the fall and once in the spring. Members of the PAC include industry, post-secondary partners, and program alumni.<br>Discussion with the teacher and review of the minutes show that there has been conversations on curriculum, competencies, industry technology and the direction the industry is going in. |
| **Recommendations:**<br><br>The monitor has no recommendations at this time. |

## Program of Study

**Applicable Requirements:** Perkins V (2020-2024) Section 3:5-A

**Evidence Examined:**

| Summary and Analysis: |
|---|
| The reviewer examined all evidence provided by the director.  The Program of Study offers a sequence of courses providing students with academic content and relevant knowledge and skills to pursue careers in Computer Science. The sequence of courses begins with 4 different Intro classes each being ½ year and ½ credit.  Computer Science I & II each full year and 1 credit and Game Design full year 1 credit. |
| **Recommendations:** |
| The monitor has no recommendations at this time. |

## Competency Practice and Reporting

**Applicable Requirements:** Perkins V (2020-2024) Section 3:5-A

**Evidence Examined:**

| Summary and Analysis: |
|---|
| The reviewer examined all evidence provided by the director and the teacher. The reviewer found students have the opportunity to practice and demonstrate mastery of program competencies through class assignments. |
| **Recommendations:** |
| The monitor has no recommendations at this time. |

## College Credit/Postsecondary Links

**Applicable Requirements:** Perkins V (2020-2024) Section 3:5-A

**Evidence Examined:**

| Summary and Analysis: |
|---|
| The reviewer examined all evidence provided by the teacher and director. There are articulation agreement with Keene State College, and Running Start with Maine Central Community College. |
| **Recommendations:** |
| The monitor has no recommendations at this time. |

## Recognized Postsecondary Credentials

**Applicable Requirements:** Perkins V (2020-2024) Section 3:5-A

**Evidence Examined:**

| Summary and Analysis: |
|---|
| Students in the Computer Science program do not have an opportunity to earn an IRC. |
| **Recommendations:** |
| The monitor recommends looking for program specific IRCs or to create an IRC. |

## Work-based Learning and All Aspects of Industry

**Applicable Requirements:** Perkins V (2020-2024) Section 135:b-3

**Evidence Examined:**

| Summary and Analysis |
|---|
| Discussions with the teacher revealed that there are opportunities for students to take part in work-based learning. The teacher has connections through her PAC to assist in placing students out in the workplace. |
| **Recommendations:** |
| The monitor has no recommendations at this time. |

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## Mt. Washington Valley Career Technical Center Corrective Actions

| Finding | Proposed Corrective Action | Proposed Completion Date | Actual Completion Date |
|---|---|---|---|
| **Visual Media-Recognized Postsecondary Credentials**<br><br>**Applicable Requirements:** Perkins V (2020-2024) Section 3:5-A<br><br>This course does not currently offer an IRC. | Identify at least one appropriate IRC and identify a date when the first group of students will have the opportunity to earn the IRC.<br>Identification of the projected date IRC opportunity will be offered to students can include time associated with offering the opportunity and deciding whether those costs are covered through the local budget or are included in the Annual Application for Perkins Funds.<br>Evidence for completion will be an artifact providing evidence the opportunity for earning the IRC was offered to students. | To be proposed by CTE Center Director | |
| **Computer Science-Recognized Postsecondary Credentials**<br><br>**Applicable Requirements:** Perkins V (2020-2024) Section 3:5-A | Identify at least one appropriate IRC and identify a date when the first group of students will have the opportunity to earn the IRC.<br>Identification of the projected date IRC opportunity will be offered to students can include time associated with offering the opportunity and deciding whether those costs | To be proposed by CTE Center Director | |

| | | | |
|---|---|---|---|
| This course does not currently offer an IRC. | are covered through the local budget or are included in the Annual Application for Perkins Funds.<br>Evidence for completion will be an artifact providing evidence the opportunity for earning the IRC was offered to students. | | |