

Exploratory Technology

www.cvtec.org/exploratory-technology.html



What We Do

In the three-block Exploratory Tech Program, students will learn foundational skills to prepare them to be successful in a Career Center Program in their junior and/or senior years.

Exploratory Technology students balance their time between honing their academic skills and shadowing in all CVCC programs, giving students a chance to explore career pathways and opportunities provided by Career and Technical education.

The Exploratory Technology Program follows a curriculum that emphasizes the development of critical thinking, reasoning, and problem solving skills. Students learn applied academic and technical skills designed to prepare them for success in any technical program at CVCC.

* All Exploratory Technology students will be required to safely operate hand and power tools as they complete technical projects. *

Program Explorations

Students spend a large portion of their time in Exploratory Technology visiting and participating in other CVCC programs to learn about a wide variety of professional routes that are available to them. Students will, throughout their study, visit:

- Automotive Technology*
- Baking Arts*
- Building Trades*
- Cosmetology*
- Culinary Arts*
- Digital Media Arts*
- Electrical Technology*
- Emergency Services*
- Human Services*
- Natural Resources and Sustainability*
- Plumbing and Heating*

Professional Preparation

Students will learn communication skills, team-building and problem solving skills. Students will also receive instruction in math, reading, writing, history, and science throughout the program.

The Central Vermont Career Center does not discriminate on the basis of sex, race, color, creed, national origin, religion, disability, sexual orientation, gender identity, and marital status in admission or access to, or treatment or employment in, its programs and activities.

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Opportunities

Successful students in this program have these academic opportunities available to them.

- A full academic education experience
- Basic First Aid and CPR Certification
- Time spent participating in every program at the Career Center

Embedded Academic Credit Areas

For a student who successfully completes this program, the Vermont Agency of Education provides for the following credits. Additional academic credit may be available based on sending school policies.

- 1 Science Credit
- 1 Math Credit
- 1 English Credit
- 1 Social Studies Credit
- 2 Elective Credits

Textbooks

Exploratory Technology Students use these industry-recognized texts, although others may also be used throughout the year.

- Entering the World of Work- Glencoe
- Various Trade Texts

Recommended Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately 3 months into the school year."

- 9.2 (Entering the World of Work)

Various trade texts have been chosen to read at the 10th grade level.

Recommended Math Skills

Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Trade-specific math
- Measurements and construction calculations
- Fractions, decimals, and percentages
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

Every CVCC Program begins their year with a Safety Exam. Students are required to pass the safety exam before they can participate in program lab settings. For more information about these exams, contact the CVCC Guidance Coordinator.

- Wood Shop and Hand Tool Safety Program Certification (CVCC Designed)

