

HACTC

Hartford Area Career & Technology Center

www.hactc.com • 1 Gifford Road, White River Junction, Vermont 05001 • 802-295-8630

HACTC Programs for 2023-2024 School Year:

Autobody, Motorsports and Customs

In the Autobody, Motorsports and Customs (AMC) program, students gain hands-on experience as they prepare for career opportunities in autobody repair, metal fabrication, painting, graphics, motorsports, restoration and customization of vehicles, and more, depending on student interests. AMC is a National Automotive Technicians Education Foundation (NATEF) certified program. Currently, AMC instructor Mr. Cassidy and his students are assembling a full size Factory Five Racing replica '35 Hot Rod Pick-Up Truck!

Automotive Technology

In this two-year program, Automotive Technology students train and prepare both in the classroom and on HACTC shop vehicles to become automotive technicians or for careers in related fields. Utilizing their individual skills and team-based learning, students become proficient in shop safety, diagnosing and solving problems, professional work habits and time management. This is an Automotive Service Excellence (ASE) certified program. Level Two students may also pursue Cooperative Education opportunities with local businesses.

Building Trades

In Building Trades, students participate in the construction of a new home over a two-year period. Students are exposed to all phases of construction, including safety, planning, layout, estimating, and building. From foundation and framing, to plumbing and electrical, to roofing and interior finish work, students learn a varied skill set, earn an embedded credit in math, and may also participate in Cooperative Education opportunities with local businesses.

Business Administration

Students completing the HACTC Business Administration program use it as a springboard into nearly any type of career. Skills the students develop in accounting, personal finance, marketing, and professional communications are highly sought after by many businesses. Job Shadows and Cooperative Education placements at local businesses, guest lectures from industry professionals, and the ability to earn up to 12 college credits through River Valley Community College before graduating high school, round out students' Business Administration experience. Students may also choose to enhance their leadership skills through participation in Future Business Leaders of America (FBLA).

Career and Technology Exploration

The Career and Technology Exploration (CTE) program is a unique and holistic experience that helps sophomores earn high school credits while providing exposure to Career and Technical Education. Students cycle back and forth between classroom time and placement in each of the HACTC programs, giving students a hands-on introduction to each of the opportunities available at the HACTC. Different from the application process for other HACTC programs, students in CTE are recommended by their school counselors.

Cosmetology

The HACTC Cosmetology program provides students with the skills and experiences they need to become licensed Cosmetologists. Completing 1,000 hours of study, students will master skills in hair design, nail and skincare, personal appearance, communication, and business management. Students will learn and put into practice these skills through demonstrations on mannequins and by working with fellow students and live clients in a salon setting.

For more details about HACTC programs, visit HACTC.com. Follow us on Facebook or Instagram. Join us for a virtual information session to answer application-related questions on December 13, 2022. Visit programs and meet instructors during the HACTC Open House on Wednesday, January 11, 2023.

HACTC Programs for 2023-2024 School Year:

Culinary Arts

Culinary Arts is a fast-paced learning environment in which students are immersed in a curriculum that focuses on food science, safety, sanitation, nutrition, customer service, and basic food and bakeshop preparation techniques. Students have the opportunity to apply the practical skills they learn by preparing food in a full-service kitchen, serving customers in the program's cafe-style restaurant, "The Get-Away," and through catering projects. Culinary Arts is an American Culinary Federation (ACF) certified program.

Design, Illustration and Media Arts

The Design, Illustration and Media Arts (DIMA) program is full of creative thinkers who get to explore technology skills for a growing creative industry by using Mac platform hardware and the most up-to-date Adobe software. Students work through projects that introduce them to many different aspects of the media world including digital illustration, video production, photography, 2-D animation, social media marketing, content creation, and graphic design. Students also accept "live jobs" from the public and learn to create professional quality work products, follow real world timelines, and work with clients. In the second year of the program, students may seek out Cooperative Education opportunities where they work alongside professionals in the field.

Health Sciences

Health Sciences is a program that gives high school students an opportunity to study medical terminology, basic anatomy and physiology, and procedures and principles important to the health care professions. This program also explores the numerous career opportunities available in health care and provides Level Two students the opportunity to Job Shadow or participate in Cooperative Education experiences in related health care fields.

Industrial Mechanics and Welding

Industrial Mechanics and Welding exposes students to a wide range of topics designed to instill general fabrication skills combined with technical subjects. Using skills they've learned, such as computer aided design, welding and machining, students design and complete individual projects including metal art, lamps and tables, plus work together on fabrication of equipment and machinery. The course prepares students for a variety of occupations such as welding, electrical, machining, and mechanical trades. At the end of the program, students are prepared for a career or college with technical skills, a positive attitude, and a strong work ethic.

Information Technology

The HACTC will offer one-year programs in both Information Technology and Software Engineering for the 2023-2024 academic year.

In the Information Technology program, students will learn about the basics of PC hardware, networking, and system administration to prepare for a role supporting users and systems across a wide variety of industries. In the Software Engineering program, students will study computer programming, source code management, and project development to prepare them for a career as a software developer, test engineer, or web developer.

Both programs will feature a comprehensive unit on career exploration and job readiness, opportunities to grow communication skills critical to success in the modern workplace, and the opportunity to earn college credits and industry certifications. And, as an Amazon Web Services Academy, the HACTC is able to offer students training in the fast-growing field of cloud computing.

Natural Resources

In Natural Resources, students participate in outdoor hands-on learning in: Forestry, Aquatics, Soils, Agriculture, Horticulture and Wildlife. Much of our curriculum focuses on outdoor field experiences, how to work safely with equipment and as part of a team, and field work and visits with community partners. After completing the Natural Resources program, often students go on to secondary education, and pursue careers in wildlife management, forestry, farming, horticulture, equipment operation, research and more!

STEM

STEM consists of two one-year programs:

The first is Introduction to Engineering Design (IED). IED students are introduced to the engineering design process, and apply math, science, and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in collaborative teams to develop and document design solutions using engineering notebooks, 3D modeling software, a 3D printer, laser engraver, and CNC router.

The second program is Principles of Engineering (POE). Through problems that engage and challenge, POE students explore the physics of a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. They also develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

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