

THE CONCORD REGIONAL TECHNICAL CENTER

Own Your Education at the CRTC



The CRTC provides students with a unique hands-on education that combines an emphasis upon rigorous technical knowledge, along with a strong focus on the personal habits and traits valued by quality employers. Our programs, designed by both educators and industry representatives, provide students the opportunity to transfer their acquired skills and knowledge to challenging real-life situations that are neither predictable nor solved by an easy answer. Students are prepared for both their post-secondary education as well as for success in the chosen industry upon graduation.

In Our Programs You Will Have the Opportunity to:

- Apply theory to real-life situations and achieve success by connecting school and careers.
- Engage in a project-based curriculum with a focus upon practical experience.
- Earn college credits as well as enroll in established pathways to post-secondary education.
- Job shadow and intern at local businesses and participate in other work-based learning activities.
- Practice employability skills and develop business-ready work ethics and values.
- Work and learn in CRTC facilities having modern industry-standard equipment and technology.
- Earn industry certificates of accomplishment.
- Develop leadership skills by participating in state and national co-curricular organizations.
- Work with instructors who have proven accomplishments in their respective industry.
- Benefit from program curricula developed with the input of industry experts from the local community.

If You Are Interested in Enrolling:

1. Start by reading this brochure, reviewing our website (thecrtc.net), and talking to your guidance counselor.
2. Take a tour, and if you want to learn more, contact us to observe an entire class and/or meet the Director.
3. Understand you are making a significant commitment before applying.
4. Consider registering for other high school courses that complement your selected CRTC program.

The Concord Regional Technical Center

at Concord High School — Steve Rothenberg, Director

170 Warren Street, Concord, NH 03301 603-225-0800 <http://thecrtc.net> info@thecrtc.net

Equal Employment Opportunities — Equal Educational Opportunities

Automotive Technology

Students in our Automotive Technology Program learn the basics of technical systems used in today's vehicles. They study the lubrication, cooling, steering, brakes, exhaust, electrical and computer systems. Students have the opportunity to service, perform diagnostic testing, and repair domestic and foreign vehicles in our modern shop. Students do extensive internships in their senior year. This program is aligned with the NATEF-certified automotive programs and the Community College System of New Hampshire.



STUDENTS LEARN:

Fuel Systems	Electrical Systems
Exhaust Systems	Preventative Maintenance
Suspension Systems	Brake and Steering Systems
Front End Alignment	Use of Computerized Diagnostic

CAREER OPPORTUNITIES:

Automotive Technician * Independent Shop Owner * Parts Department Worker/Manager * Service Manager * Mechanical Engineer
* Diesel Mechanic

Construction Technology

Students in our Construction Technology Program learn skills in a variety of areas, including carpentry, blueprint reading, proper use of hand and power tools, and safety procedures. Students sharpen safe construction skills while building a home or other structure, whether stick-built or modular. Learning experiences include house framing, roofing, siding, dry walling, and trimming. Students will construct small building projects at CRTC and also work on a variety of construction/



STUDENTS LEARN:

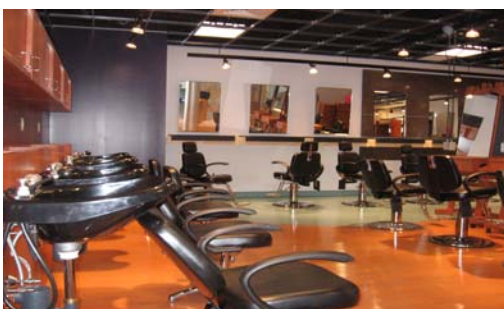
Exterior/Interior Finish Work	Estimating
Teamwork	Building Codes
Framing & Roofing	Site Development
Hand & Power Tool Use	Blueprint Reading
Machine Operation	Layout

CAREER OPPORTUNITIES:

Carpenter Helper * Mason Tender * Plumbing Apprentice * Electrical Apprentice * Lumber Yard Sales or Foreman * Framer * Contractor

Cosmetology

Students in our Cosmetology Program are provided the opportunity to become proficient in basic cosmetology skills established by the State of NH Board of Cosmetology. This program prepares students to perform technical services such as: hair designing, scalp massages, manicures, pedicures, facials and waxing. In addition, an integrated approach to teaching and learning is provided, as students develop interpersonal, career development and technical skills associated with careers in this field. Upon completion of documented clocked hours and a demonstration of state competencies, students will be able to transfer their hours to a Cosmetology School to complete their certification. Once a student becomes a licensed cosmetologist, he/she will be able to choose a career path within the cosmetology field. Whether it be in a traditional salon setting or as hair and makeup artist on a set, these future artists will be able to take their careers to endless possibilities.



STUDENTS LEARN:

Hair & Scalp Treatments	Principles of Salon
Shampoo Procedures	Business Management
Bacteriology & Sanitization	Cosmetology

CAREER OPPORTUNITIES:

Cosmetician * Hair Designer * Fashion and Image Consultant * Make-up Artist * Sales Representative * Esthetician * Massage Therapist

Criminal Justice

Students in our Criminal Justice Program study many aspects of the criminal justice system such as: law enforcement, the court system, juvenile justice, and the corrections system. Students learn about elements of each aspect, making direct connections to careers in these fields. Students engage in learning opportunities where they role-play, complete mock trials, act as hiring boards, conduct background investigations, do forensics, and perform crime scene investigations. Students also learn the history and theory of criminology.

STUDENTS LEARN:

Crime Scene Investigation	Forensics
Ethics	Fingerprinting
Professionalism	Criminology
Background Investigation	Theoretical Roots of Crime

CAREER OPPORTUNITIES:

Police Officer * Federal Agent * Correctional Officer * Paralegal
Drug Abuse Counselor * Court Officer * Correctional Counselor
* Juvenile Probation Officer * Parole Agent



Culinary Arts

Students in our Culinary Arts Program study all aspects of food preparation, sales and service. Students learn how, and then create cuisine from scratch that is both nutritious and appealing. Students safely prepare full meals in our commercial kitchen and serve customers in the Crimson Café restaurant. The Culinary Arts Program prepares students for furthering their education in the food industry.

STUDENTS LEARN:

Cooking	Baking
Menu Planning & Design	Cashiering
Operating a Professional Kitchen	Catering & Banquet Service
Food Service Management	

CAREER OPPORTUNITIES:

Food Service Director * Restaurant Manager * Chef * Baker
* Prep Cook * Caterer * Dietitian * Short-Order Cook



Exploring Teaching

Students in our Exploring Teaching Program learn theories of child development, understanding, and classroom management. As an assistant teacher in our Crimson Tide Preschool program, students help young children grow and develop. Students gain valuable leadership skills through teaching lessons and working with parents, administrators, and special education staff. Senior students participate in internship experiences in infant/toddler, preschool, elementary, middle school or high school classes.

STUDENTS LEARN:

Organization of a Preschool	Curriculum Development
How to Choose Appropriate Toys	Job-Seeking Skills
State Child Care Regulations	Building Self-Esteem
Careers in Education	Children's Literature

CAREER OPPORTUNITIES:

Elementary Teacher * Preschool Teacher * Social Worker
* Home Child Care Provider * Guidance Counselor * Child Psychologist



Graphic Arts & Digital Communication

Students in our Graphic Arts and Digital Communication Program prepare for careers in graphic design and digital publishing. Students gain proficiency in the skills associated with graphic design by using industry-standard software in the Adobe CS4 software suite. Students are also introduced to tools associated with digital communication, including 2D animation, web publishing and video editing. In addition to an internship, students engage in a practical experience(s) where they provide graphic design and design products to an organization. Students have the opportunity to attain industry-standard software certifications.



STUDENTS LEARN:

Adobe Photoshop	Adobe Dreamweaver
Adobe Illustrator	Screen Printing
Adobe Flash Animation	Basic Printing and Binding
Adobe InDesign	

CAREER OPPORTUNITIES:

Graphic Designer * Website Developer * Layout & Design Artist
* Desktop Publisher * Press Operator

Health Science & Technology

Students in the Health Science & Technology program are introduced to careers in the field of health occupations. Students utilize classroom equipment to practice performing healthcare-related skills in clinical-like situations. Student learning is focused upon anatomy and physiology, medical terminology and safety principles. Students have the opportunity to obtain their LNA or EMT certifications as seniors (fee associated).



STUDENTS LEARN:

Hearing and Vision Screening	Medical Terminology
CPR & First Aid	Legal and Ethical Issues
Safety	Standard Precautions
	Leadership Skills

CAREER OPPORTUNITIES:

Nursing * Radiology * EMT/Paramedic * Medical Assistant * Dental Care
* Lab Technician * Sports Medicine * Occupational Therapy
* Physical Therapy * MD

Information Technology

Students in our Information Technology program troubleshoot and repair computers, install operating systems, do programming and manage networks. All of our curriculum is nationally-based and designed by industry organizations. The curriculum uses CompTIA- and Cisco-certified material to help students prepare for the industry-standard technical certifications Exams. Student will also spend time getting familiar with programming concepts using Microsoft Visual Basic.NET. Trained and certified Computer Technology Specialist are in demand throughout the high-tech information technology industry.



STUDENTS LEARN:

Operating Systems	Software Installation
Programming	Hardware Troubleshooting
Networking Systems	Network Troubleshooting
Wide Area Networks	Computer Repair & Assembly

CAREER OPPORTUNITIES:

Certified Network Associate * Computer Repair Technician
Network Engineer * PC Support Specialist
* Computer Engineer * Security
Administrator * Programmer * System Analyst