

# CAREER & TECHNICAL EDUCATION PROGRAMS

## Chapter 74

### Career & Technical Education Programs:

Automotive Technology	Culinary Arts
Carpentry/Construction Technology	Drafting
Early Education & Care	Graphic Communications

## Non-Chapter 74

### Career & Technical Education Programs:

Design & Visual Communications
TV Media Arts

## EXPLORATORY PROGRAM

The first course in the sequence of a CTE program is called Exploratory Program. During this course a student “explores” the career area while developing the necessary foundation of competency-based knowledge and skills as well as safety fundamentals in the technical field of interest in the event he/she chooses to continue with the program and pursue Major I. During the Exploratory Program, students research a variety of occupational and career information using an assortment of internet platforms, and begin to create and develop an individualized Career Plan. 9<sup>th</sup> and 10<sup>th</sup> grade students have first preference into Exploratory Programs.

**Exploratory meets four blocks a week for one semester.**

## MAJOR 1

Students who have successfully completed the Exploratory Program course and would like to foster their training in the chosen CTE program apply to pursue Major 1. During Major 1 students enhance and expand on the foundation of knowledge and skills established in exploratory. Students continue to develop their career plans, and learn the value of a strong work ethic while focusing on skills necessary for the 21<sup>st</sup> century. Career planning at this level requires students to explore labor market trends in the chosen CTE program and related fields and earn a Safety Training Certificate.

**Major I courses meet four blocks per week for the full year.**

*To apply to a CTE program as a major 1, students need to have scored well on the Exploratory Program Rubric, earned an Exploratory Safety Training Certificate, received the teacher’s recommendation and complete the CTE program application. For applications see the CTE teacher, counselor, CTE office in room 112 or refer to the form in the back of the Newton North Opportunities Book.*

## MAJOR 2

Major 2 is the next course in the sequence of a CTE program of study and is for students who want to cultivate their knowledge and skills in the field of study, who have successfully completed Major 1 and who have been recommended by the teacher. During Major 2 students apply and strengthen their knowledge and skills by engaging in real-world experiences in their CTE learning environment.

**Major 2 courses for Chapter 74 programs meet 8 blocks a week / Non-Chapter 74 programs meet 4 blocks a week**

*Students in Major 2 will be registered for Health & Wellness (PE033); this PEHW course includes First Aid, Safety and CPR and is incorporated into the 8 blocks. This PEHW meets a graduation requirement and is also a requirement to be eligible for a cooperative education work place learning experience second semester in their senior year.*

## MAJOR 3

For students who have developed a genuine interest in the CTE program, who have successfully completed Major 2 and who have been recommended by the teacher, Major 3 is the last course in the sequence of the CTE program of study. Students refine their foundation of academic knowledge and technical competency skills.

**Major 2 courses for Chapter 74 programs meet 12 blocks a week / Non-Chapter 74 programs meet 8 blocks a week**

*Students in the Major 3 will be registered for Entrepreneurship (759) in the fall of their senior year (with exception to those in Culinary Arts and Graphic Communications; it’s an embedded aspect of these two programs). Entrepreneurship is a requirement to be eligible for a cooperative education work place learning experience second semester senior year.*

### **HONORS OPTION FOR MAJOR 2 AND MAJOR 3:**

Major 2 and 3 students may be recommended for the honors level by their teacher if they have demonstrated the following:

- Interest, ability and motivation to meet the challenges of an honors level course.
- The ability to be an independent learner in the program setting.
- Aspirations for an advanced level of learning and critical thinking through more challenging assignments, coursework and learning opportunities.
- Assistance with program/shop management.
- The ability to simultaneously handle multiple projects.
- Desire to take on complex projects and be held to a higher standard of quality.
- Commitment to complete projects before or after school when necessary.
- Leadership and collaborative teamwork skills to coordinate a team of students to complete a group project.

### **CAREER & TECHNICAL EDUCATION COOPERATIVE WORK EXPERIENCE**

CTE Co-Op work experience is available to students in Major 3. The cooperative education work placement offers students an additional learning dimension to their educational experience and is designed to apply and expand their knowledge and skills with an authentic work experience in the business community. This is a paid, supervised, instructional experience that is directly related to the student's career & vocational technical program. A student's day is divided between their academic studies and their work-site training. Students are eligible for a cooperative education workplace learning experience second semester of their senior year if they fulfill the course requirements, demonstrate an 80% or better proficiency in their competency skills, have a good attendance record, demonstrate a strong work ethic, are in good academic standing, successfully earn their OSHA 10 Certification for safety, completed their Career Plan, and received the recommendation of their teacher.

### **POST-GRADUATE**

Consideration for post-graduate CTE study will be made on a space available basis, and only with the approval of the principal and Director of Career & Technical Education. Applicants should see their guidance counselor to begin this process mid-way through their senior year. The guidance counselor will contact the CTE director about the request who will then notify the principal and schedule an interview to meet with the student.

### **NOTE:**

The Massachusetts Community Colleges approved a statewide Articulation Agreement in 2014 in 14 vocational technical fields to provide a seamless transition for students. The programs offered by the Newton Public Schools with articulation to the community college system include: Automotive Technology (Transportation), Carpentry, Culinary Arts, Drafting and Early Education & Care (Early Childhood Education). The information can be accessed on the following website:  
<http://www.masscc.org/articulation>