C-Town Healthcare

C-Town Healthcare builds a connection between high school, college, and your future career in healthcare. Starting in 10th grade, you will be dual enrolled at Bunker Hill Community College (BHCC) and Charlestown High School. You will earn free college credits that you can apply toward an associate’s degree at BHCC or transfer to many other institutions.

You will:

- **Learn critical skills** that can lead to your future high-paying career in the healthcare industry
- **Earn up to 18 college credits for free,** starting in 10th grade
- **Take hands-on, project-based courses**
- **Explore careers through work-based experiences like internships and job shadows** at major Boston companies
- **Connect with professional mentors** one on one and in small groups

**Early college is effective.**

High school students who participate in early college programs are more likely to have higher GPAs, graduate from high school, and complete college degrees.

**You can save time and money!**

You can potentially save thousands of dollars in tuition and fees and reduce the time it takes to earn a college degree.

**Get access to individualized support.**

You will receive specialized academic and career advising to help you successfully transition to college and work experiences.

**Get access to college resources.**

When you are dual enrolled at BHCC, you will receive a real college ID and have access to all BHCC resources, including: student discounts, tutoring support, advising, college-sponsored events, and campus facilities like the gym and health center.

In partnership with JFF
C-Town Healthcare builds a connection between high school, college, and your future career in healthcare. Take full advantage of C-Town’s Healthcare Pathway by using this guide to select your courses for each grade and semester.

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exploration or Elective Course</td>
<td>Harvard Medical School MEDscience Course</td>
</tr>
<tr>
<td><strong>10th Grade</strong></td>
<td></td>
</tr>
<tr>
<td>NHP-180: Medical Terminology</td>
<td>AHE-104: Understanding Human Behavior</td>
</tr>
<tr>
<td><strong>11th Grade</strong></td>
<td></td>
</tr>
<tr>
<td>Healthcare Pathway Course or Recommended Gen Ed Course</td>
<td>Healthcare Pathway Course or Recommended Gen Ed Course</td>
</tr>
<tr>
<td><strong>12th Grade</strong></td>
<td></td>
</tr>
<tr>
<td>Healthcare Pathway Course or Recommended Gen Ed Course</td>
<td>Healthcare Pathway Course or Recommended Gen Ed Course</td>
</tr>
</tbody>
</table>

Get paid work opportunities!

C-Town Healthcare staff will help you find paid healthcare internships or summer jobs with major Boston employers like Tufts Medical Center, Brigham and Women’s Hospital, and more! Start by taking advantage of these career-related experiences:

**Job and internship opportunities**

<table>
<thead>
<tr>
<th>Grades 9 and up</th>
<th>Grades 10 and up (must be age 16 or older)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Paid job (over the school year or the summer) at The Boston Area Health Education Center or Peer Leadership Institute</td>
<td>• Paid summer internship at a local hospital—such as Tufts Medical Center, Massachusetts General Hospital, Brigham and Women’s Hospital, or Beth Israel Deaconess Medical Center—through the Boston PIC</td>
</tr>
<tr>
<td>• Paid summer internship at LEAH Project</td>
<td>• Paid summer internship at a research lab at MIT through LEAH Knox Scholars</td>
</tr>
</tbody>
</table>
What jobs will these courses prepare me for?

This guide gives you information about just some of the careers in the healthcare industry. Each career included here requires a different level of education, but all pay above a living wage. All of these jobs are also expected to grow over the next five years, so there will be more employment opportunities in these fields when you’ve completed your education.

Take a look to see which careers interest you and the BHCC courses that can set you up for success on your career path.

<table>
<thead>
<tr>
<th>High School Diploma</th>
<th>Certificate or Associate's Degree</th>
<th>Bachelor's Degree</th>
<th>Master's or Doctoral Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Community Health Workers &lt;br&gt; Median Wage: $46,910</td>
<td>*Radiologic Technicians and Technologists &lt;br&gt; Median Wage: $63,120</td>
<td>*Registered Nurses Median Wage: $73,300</td>
<td>*Physician Assistants &lt;br&gt; Median Wage: $112,260</td>
</tr>
<tr>
<td>Medical Records and Health Information Technicians &lt;br&gt; Median Wage: $42,630</td>
<td></td>
<td>Health Education Specialists &lt;br&gt; Median Wage: $46,910</td>
<td>*Psychiatrists &lt;br&gt; Median Wage: $220,430</td>
</tr>
<tr>
<td>Surgical Technologist &lt;br&gt; Median Wage: $48,300</td>
<td></td>
<td>Medical Health and Services Managers &lt;br&gt; Median Wage: $100,980</td>
<td>Social Workers &lt;br&gt; Median Wage: $50,470</td>
</tr>
</tbody>
</table>

Source: [www.bls.gov/ooh/](http://www.bls.gov/ooh/)

* You can find more information about this career in this guide

What is a living wage?

A living wage is the minimum hourly rate that a person needs to earn in order to support themselves and their household. It changes depending on where you live and the size of your household.

For Suffolk County in Massachusetts, a living wage for one adult with no children is $17.81.
General education courses help you prepare to thrive in today’s workforce and society. Once you complete any necessary prerequisites, you can start taking the recommended general education courses on this list. You can also place into a course—talk to your guidance counselor to learn about placement requirements.

### ENG-111: College Writing I
**Prerequisites:**
- ENG-095
- And a grade of C or better in ESL-098 or RDG-095
- Prerequisites can be taken at the same time as this course

### PSY-101: Principles of Psychology
**Prerequisites:**
- ESL-098 or RDG-095

### PSY-107: Group Dynamics
**Prerequisites:**
- None

### SOC-101: Principles of Sociology
**Prerequisites:**
- ESL-098 or RDG-095

### PHL-101: Introduction to Philosophy
**Prerequisites:**
- Grade of C or better in ENG-095
- And grade of C or better in ESL-098 or RDG-095

### MAT-181: Statistics I
**Prerequisites:**
- Grade of C or better in MAT-097 or MAT-098

For the list of all BHCC general education courses, visit: [www.bhcc.edu/programsofstudy/generaleducationrequirements](http://www.bhcc.edu/programsofstudy/generaleducationrequirements)
What is community health?

Community health focuses on the physical and mental health of people who live in a specific area. It often supports public health initiatives with community members, attempting to achieve goals like reducing the spread of infectious diseases or preparing for a natural disaster. Building strong community health practices results in healthier individuals.

What do Community Health Workers do?

- **Educate** a community on public health issues
- **Bridge the gap** between individuals or groups in a community and health organizations through a deep understanding of the local culture and/or language
- **Provide or direct** people to public health services and resources that they need

Median Pay for Community Health Workers

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Median pay</td>
<td>$22.55 per hour</td>
</tr>
<tr>
<td></td>
<td>$46,910 per year</td>
</tr>
<tr>
<td>On the job training</td>
<td>Community Health Workers typically participate in a short training session once on the job, often focused on core skills and relevant health topics.</td>
</tr>
<tr>
<td>Number of jobs in 2019</td>
<td>127,100</td>
</tr>
<tr>
<td>Job outlook from 2019 to 2029</td>
<td>Employment will increase by 13% (much faster than average)</td>
</tr>
<tr>
<td>Employment change from 2019 to 2029</td>
<td>17,000</td>
</tr>
</tbody>
</table>

SOURCE: U.S. BUREAU OF LABOR STATISTICS
Community Health Worker

Recommended BHCC Courses

- HSV-219: Current Issues/Health Worker
- HSV-112: Addiction
- ENG-111: College Writing I
- PSY-101: Principles of Psychology
- PSY 215: Counseling
- AHE 104: Understanding Human Behavior
- AHE 117: Communication Skills/Health Care

What can you do with these credits?
You can fully enroll at BHCC after high school graduation and apply your credits toward an associate’s degree. Associate's degrees typically require 60 to 65 total credits—about 22 general education credits and 40 pathway concentration credits. You can also transfer your credits to many public four-year institutions in Massachusetts.

College and career outlook
You will need at least a high school diploma to be a Community Health Worker.
Radiologic technology is the science of using radiation to produce images of the internal state of the human body through x-rays. These images can be used to diagnose an injury, disease, or other issue with bones, organs, and tissues that cannot be seen on the surface.

**What do Radiologic Technologists and Technicians do?**

- **Operate medical diagnostic imaging tools** such as x-ray, CT, and MRI machines
- **Work with patients** to find and capture the best angles for the images by placing patients appropriately
- **Ensure high-quality images** are produced
- **Work closely with physicians, nurses, and other healthcare workers to support patients**

**Median Pay for Radiologic Technologists and Technicians**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Median pay</td>
<td>$62,280 per year</td>
</tr>
<tr>
<td>Median pay</td>
<td>$29.94 per hour</td>
</tr>
<tr>
<td>On-the-job training</td>
<td>None</td>
</tr>
<tr>
<td>Number of jobs in 2019</td>
<td>250,700</td>
</tr>
<tr>
<td>Job outlook from 2019 to 2029</td>
<td>Employment will increase by 7% (faster than average)</td>
</tr>
<tr>
<td>Employment change from 2019 to 2029</td>
<td>16,800</td>
</tr>
</tbody>
</table>

SOURCE: U.S. BUREAU OF LABOR STATISTICS
Radiologic Technologist and Technician

Recommended Courses for BHCC’s Associate’s Degree in Health Sciences: Medical Radiography*

**MAT-181:** Statistics I
**OR MAT-194:** College Algebra for STEM
**ENG-111:** College Writing I
**ENG-112:** College Writing II

**BIO-203:** Anatomy and Physiology/Lab I
**BIO-204:** Anatomy and Physiology/Lab II
**SOC-101:** Principles of Sociology
**CIT-110:** Applications/Concepts

What can you do with these credits?
You can fully enroll at BHCC after high school graduation and apply your credits toward an associate’s degree in Medical Radiography.* Associate’s degrees typically require 60 to 65 total credits—about 22 general education credits and 40 pathway concentration credits. You can also transfer your credits to many public four-year institutions in Massachusetts.

College and career outlook

- To be a **Technician**, you need at least a trade school credential or an associate's degree.

- To be a **Technologist**, generally attain a higher level of education, either a bachelor’s degree or an associate's degree. Because they usually attain a higher level of education, Technologists receive higher salaries and are more likely to become a supervisor.

*For more information about this degree program, go to:
www.bhcc.edu/programsofstudy/programs/medicalradiographyfull-timeoption
Registered Nurse

What is Nursing?
Nursing is a vital component of today’s healthcare system. Nurses work closely with physicians to support and care for patients. Nurses cover a large range of responsibilities and are heavily relied on in any medical setting for their knowledge and their compassion.

What do Registered Nurses do?
- **Care directly** for patients
- **Create** care plans for patients, **monitor and record** patient vitals and progress, and **assist** physicians with medical procedures
- **Educate patients** on important health issues

Median Wage for Nurses

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Median pay</td>
<td>$73,300 per year</td>
</tr>
<tr>
<td>On-the-job training</td>
<td>None</td>
</tr>
<tr>
<td>Number of jobs in 2019</td>
<td>3,096,700</td>
</tr>
<tr>
<td>Job outlook from 2019 to 2029</td>
<td>Employment will increase by 7% (faster than average)</td>
</tr>
<tr>
<td>Employment change from 2019 to 2029</td>
<td>221,900</td>
</tr>
</tbody>
</table>

SOURCE: U.S. BUREAU OF LABOR STATISTICS
**Recommended Courses for BHCC’s Associate’s Degree in Health Sciences:**

**Nurse Education**

<table>
<thead>
<tr>
<th>MAT-097: Fundamentals of Algebra**</th>
<th>ENG-112: College Writing II</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO-203: Anatomy and Physiology/Lab I</td>
<td>SOC-101: Principles of Sociology</td>
</tr>
<tr>
<td>CHM-201: General Chemistry I/Lab</td>
<td>PSY-101: Principles of Psychology</td>
</tr>
<tr>
<td>ENG-111: College Writing I</td>
<td></td>
</tr>
</tbody>
</table>

*For more information about this degree program, go to: [www.bhcc.edu/programsofstudy/programs/nursing-program](http://www.bhcc.edu/programsofstudy/programs/nursing-program)*

**What can you do with these credits?**

You can fully enroll at BHCC after high school graduation and apply your credits toward an associate’s degree in Nurse Education.* Associate’s degrees typically require 60 to 65 total credits—about 22 general education credits and 40 pathway concentration credits. You can also transfer your credits to many public four-year institutions in Massachusetts.

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**College and career outlook**

- You will need at least a bachelor’s degree to become a Registered Nurse.
- There are a variety of pathways that people can follow to enter and progress within nursing. Some people enter a Certified Nursing Assistant (CNA) program straight out of high school and begin nursing within a year or two. Others pursue an associate’s or bachelor’s degree in nursing and take a licensing exam to become a Registered Nurse (RN). After getting a bachelor’s, some choose to obtain a master’s in nursing or a doctorate of nursing practice and become a Nurse Practitioner (NP), a Certified Registered Nurse Anesthetist (CRNA), a Clinical Nurse Specialist (CNS), a Clinical Nurse Leader (CNL) or a Certified Nurse Midwife (CNM).
- With each step up in education level, Nurses receive a higher salary and more responsibility.
What is a Physician Assistant?

Physician Assistants are an important part of the health care team in many hospitals and clinical settings, under many different specialities. Physician Assistants must work with and under the supervision of a licensed Physician.

What do Physician Assistants do?

- **Perform** physical examinations and **diagnose** illnesses
- **Manage patient treatment** by ordering and reading lab work, prescribing medication, and assisting in surgery
- Often **work closely with physicians** to provide patient treatment, or **act independently** to provide healthcare to rural or underserved regions

Median Pay for Physician Assistants

<table>
<thead>
<tr>
<th></th>
<th>$112,260</th>
</tr>
</thead>
<tbody>
<tr>
<td>Median pay</td>
<td>$112,260 per year</td>
</tr>
<tr>
<td>On-the-job training</td>
<td>None</td>
</tr>
<tr>
<td>Number of jobs in 2019</td>
<td>125,500</td>
</tr>
<tr>
<td>Job outlook from 2019 to 2029</td>
<td>Employment will increase by 31% (much faster than average)</td>
</tr>
<tr>
<td>Employment change from 2019 to 2029</td>
<td>39,300</td>
</tr>
</tbody>
</table>

SOURCE: U.S. BUREAU OF LABOR STATISTICS
Recommended Courses for BHCC’s Associate’s Degree in Biological Sciences: 

Medical Professions*

This degree prepares students to transfer to bachelor’s program at a four-year college or university that will lead to a career in healthcare, such as a Physician Assistant.

- **MAT-281**: Calculus
- **ENG-111**: College Writing I
- **ENG-112**: College Writing II
- **BIO-195**: General Biology I/Lab
- **BIO-196**: General Biology II/Lab
- **CHM-201**: General Chemistry I/Lab
- **PHY-251**: College Physics I/Lab
  OR **PHY-201**: General Physics I/Lab

What can you do with these credits?

You can fully enroll at BHCC after high school graduation and apply your credits toward an associate’s degree in Medical Professions.* Associate’s degrees typically require 60 to 65 total credits—about 22 general education credits and 40 pathway concentration credits. You can also transfer your credits to many public four-year institutions in Massachusetts.

**College and career outlook**

You will need a master’s degree to become a Physician Assistant.

*For more information about this degree program, go to:

[www.bhcc.edu/programsofstudy/programs/biologicalsciencesmedicalprofessionsoption](http://www.bhcc.edu/programsofstudy/programs/biologicalsciencesmedicalprofessionsoption)
**What is psychiatry?**

Psychiatry is an area of medicine that focuses on the diagnosis and treatment of mental, emotional, and behavioral disorders. It focuses on a deep understanding of both physical and emotional symptoms in order to learn how physical and mental health are related and to support patients in both ways. Psychiatrists must attend medical school, which helps them care for patients more holistically and gives them the ability to prescribe medication.

**What do Psychiatrists do?**

- **Provide counseling and treatment** for people with mental health conditions (e.g. depression, addiction, and schizophrenia)

- **Seek to understand the emotional and physical symptoms** of patients in order to **build a treatment plan** that highlights a holistic approach

- **Prescribe** medication

**Median Wage for Psychiatrists**

<table>
<thead>
<tr>
<th>Median pay</th>
<th>$220,430 per year</th>
<th>$105.98 per hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-the-job training</td>
<td>Internship/residency</td>
<td></td>
</tr>
<tr>
<td>Number of jobs in 2019</td>
<td>752,400</td>
<td></td>
</tr>
<tr>
<td>Job outlook from 2019 to 2029</td>
<td>Employment will increase by 4% (as fast as average)</td>
<td></td>
</tr>
<tr>
<td>Employment change from 2019 to 2029</td>
<td>27,300</td>
<td></td>
</tr>
</tbody>
</table>

*SOURCE: U.S. BUREAU OF LABOR STATISTICS*
Psychiatrist

Recommended Courses for BHCC’s Associate’s Degree in Biological Sciences: Medical Professions*

This degree prepares students to transfer to bachelor’s program at a four-year college or university that will lead to a career in healthcare, such as a Psychiatrist.

- **MAT-281**: Calculus
- **ENG-111**: College Writing I
- **ENG-112**: College Writing II
- **BIO-195**: General Biology I/Lab
- **BIO-196**: General Biology II/Lab
- **CHM-201**: General Chemistry I/Lab
- **PHY-251**: College Physics I/Lab
  OR **PHY-201**: General Physics I/Lab

What can you do with these credits?

You can fully enroll at BHCC after high school graduation and apply your credits toward the associate’s degree in Medical Professions.* Associate’s degrees typically require 60 to 65 total credits—about 22 general education credits and 40 pathway concentration credits. You can also transfer your credits to many public four-year institutions in Massachusetts.

**College and career outlook**

You will need a doctorate to become a Psychiatrist.

*For more information about this degree program, go to:  
[www.bhcc.edu/programsofstudy/programs/biologicalsciencesmedicalprofessionsoption](http://www.bhcc.edu/programsofstudy/programs/biologicalsciencesmedicalprofessionsoption)