

Monroe High CTE Programs



Click Below:

<https://www.youtube.com/watch?v=nmmYOAUeoUM>

Find your career path for FREE now before you spend \$10,000 - \$80,000 after graduation.

75% of CTE Learners enroll in post-secondary Education after high schools

10% higher graduation rate than non CTE students

89% of parents think students should receive more education about Career Management than high school

1/2 of CTE learners are enrolled in programs in leading fields across the nation.

Your Future starts Today!

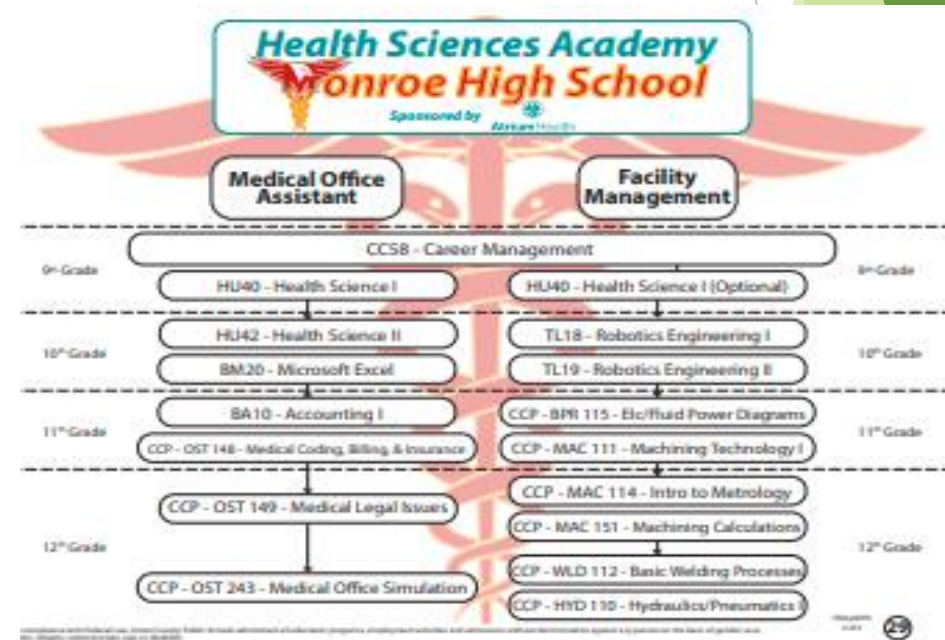
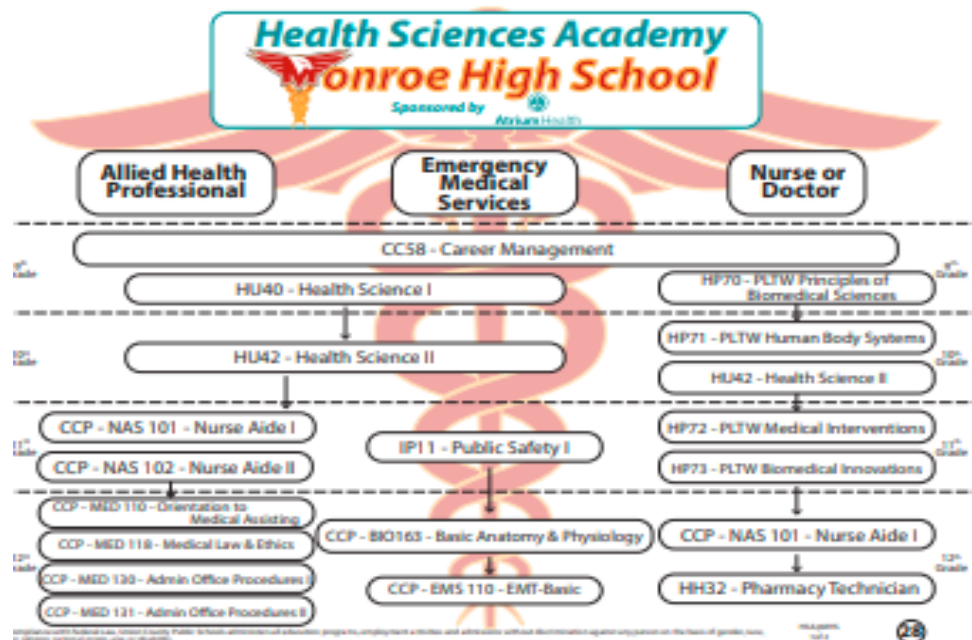
Health Sciences Academy



Monroe High School

In partnership with  **Atrium Health**

This pathway focuses on human anatomy, physiology, human body diseases and disorders, and biomedical therapies. Students will learn about healthcare careers within the context of human body systems. It is designed to help students expand their understanding of financing and trends of healthcare agencies, fundamentals of wellness, legal and ethical issues, concepts of teamwork, and effective communication.



Business Marketing



Course Sequence

- *Marketing
- *Marketing Applications
- *Cooperative Education/Internships, etc.

Supporting Courses

Microsoft Word/PowerPoint
Career Management
IB Personal & Professional Skills
Principles of Business & Finance

The Marketing Pathway gives students the opportunity to focus their studies on the fundamental principles of marketing. Students will develop comprehensive marketing plans by analyzing customer needs and the market environment. Students will explore product development and pricing strategies, advertising and promotion planning, product distribution, and strategies for conducting market research.

Electrical Trades



<https://youtu.be/gy4K-6roW5M>

Course Sequence

- *Construction Core
- *Electrical Trades I
- *Electrical Trades II
- *Electrical Trades III
- CTE Advanced Studies, CTE Apprenticeship or Internship

Supporting Courses

Microsoft Word/PowerPoint
Career Management
IB Personal & Professional Skills

The electrical field is a wide open, in-demand Career. Students graduate Saturday and go to work on Monday. Local contractors hire the electrical trades' students on the spot. The starting salary for apprentices without the electrical trade's class average \$24K a year. Students who successfully complete the classes average \$29K per year. At the end of their 3rd year apprenticeship (first year employed) their salary averages between \$33 & 38K per year. The average salary is between \$58,000 and \$72,000 per year.

Robotics Engineering



Course Sequence

- *Robotics Engineering I
- *Robotics Engineering II
- *Advanced CTE Studies, CTE Apprenticeship & Internship

Supporting Courses

Microsoft Word/PowerPoint
Career Management
IB Personal & Professional Skills
Advanced Manufacturing I

Robotics Engineering Curriculum (REC) provides a comprehensive study of engineering concepts including:

- Physics
- Programming
- Mechanical systems
- Electrical and electronics systems
- Relevant activities and capstone projects in each semester

Food & Nutrition/Culinary Arts



<https://youtu.be/LCBaSWLqhgo>

Course Sequence

- *Food & Nutrition I
- *Culinary Arts & Hospitality I
- *Culinary Arts & Hospitality II Applications
- *Culinary Arts & Hospitality III
- *Culinary Arts & Hospitality IV

Supporting Courses

Microsoft Word/PowerPoint
Career Management
IB Personal & Professional Skills

The Culinary Arts Academy will allow students to master techniques through hands-on learning and practice. The program is designed to provide students with the technical knowledge that they can apply the first day on the job, to be a lifelong career training tool, and to increase the chances of a student continuing their training in a post-secondary school. The culinary program will provide the fundamentals of safety and sanitation practices, basic knife skills, menu planning, and food production skills. Additional skills such as the management of the front and back of the house and guest relations are also included in the curriculum.

Masonry



Course Sequence

- *Construction Core
- *Masonry I
- *Masonry II
- *Masonry III
- CTE Advanced Studies, CTE Apprenticeship or Internship

Supporting Courses

Microsoft Word/PowerPoint
Career Management
IB Personal & Professional Skills

The study of masonry is one of the world's oldest and most respected crafts. The remains of stone buildings date back 15,000 years, and the earliest manufactured bricks unearthed by archaeologists are more than 10,000 years old. These bricks were made of hand-shaped, dried mud. Among the most well-known works of masons are the pyramids of ancient Egypt and Notre Dame Cathedral in Paris. NCCER's curriculum encompasses modules such as Mortar, Metalwork in Masonry, and Estimating.

Agricultural Mechanics



Course Sequence

- *Agriculture Mechanics I
- *Agriculture Mechanics II or Small Engines
- *CTE Advanced Studies, CTE Apprenticeship or Internship

Supporting Courses

Microsoft Word/PowerPoint
Career Management
IB Personal & Professional Skills

In the Agricultural Mechanics Pathway, students will learn how to read blueprints, survey land and ensure safe use of tools. Students will also get hands-on experience using hand tools, power tools, welding equipment and computer programs to construct and maintain agricultural systems and structures.