

Newington High School Academy Programs

College and Career Readiness for the 21st Century

An academy is a reform model where students have an opportunity to deeply engage in a pathway of study that prepares them for postsecondary academic and career success. While courses are open to all students, only academy students will have the benefits of the Career Academy Success Program.

Each academy will have a structured and sequenced work-based learning program that is intended to allow students to examine future career options. Additionally, an advisory board comprised of professionals in the career area will be established to keep the educational level in step with advancing technologies and trends within the career themes.

Courses Designated for the 2017 - 2018 Academy Programs Include:

Culinary and Hospitality Academy

- Principles of Hospitality & Tourism
- Foundations of Baking and Pastry
- Cultures and Cuisines
- Service and the Art of Hospitality
- Advanced Restaurant Management and Culinary Arts
- Event Planning
- Advanced Baking and Pastry
- Foundations of Culinary Arts
- Vegetarian Cuisines

Information Technology and Digital Innovation Academy

- Principles of Information Technology
- AP Computer Science A
- Game Development II
- Foundations of Digital Art
- Computer Systems
- Mobile App Development
- Digital Graphic Design I
- Digital Media & Movie Making I
- Computer Networking
- AP Computer Science Principles
- Digital Graphic Design II
- Digital Media & Movie Making II
- Introduction to Computer Science
- Game Development I
- Introduction to Animation

Finance and Business Management Academy

- Introduction to Business
- Entrepreneurship
- Principles of Accounting I
- Probability and Statistics I
- Microsoft Office MOS Certification
- Principles of Finance
- Principles of Accounting II
- Principles of Marketing
- Business in a Global Economy
- Financial Planning
- Sport and Entertainment Marketing
- Ethics in Business
- Financial Services
- AP Statistics

Medical Sciences Academy

- Medical Sciences I
- Medical Sciences II
- AP Chemistry
- AP/ECE Biology
- Medical Sciences III
- Nanotechnology
- Personalized Medicine and Genomics
- Human Anatomy and Physiology
- Forensic Science

Aerospace and Engineering Academy

- Aerospace Science I
- Aerospace Science II
- Introduction to Engineering Design
- Physics
- AP Physics I

For students who are interested in taking courses in **Family and Child Development**, the department offers:

- Introduction to Early Childhood Education
- Infant and Toddler Growth Development
- Occupational Child Care and Cooperative Work Study
- Family Life