

DESIGN YOUR FUTURE@QRHS

innovation pathways



The careers of today and tomorrow require an ever growing list of skills and approaches to problem solving. **Quabbin's Innovation Pathways** are designed to provide you with the skills and the connections you will need to succeed in whatever path you decide either directly into the workforce or college.

What are our pathways?

We have been granted permission from the Department of Elementary and Secondary Education and Governor Baker's Administration to have two Pathways with a career focus of:

- **Information Technology**
- **Precision Manufacturing**

These two fields make up two of the highest in-demand career opportunities in Central Mass.

What are the benefits?

You are more marketable to both colleges and industry. When you apply to colleges they will be notified of your initiative through participating in this program, because your enrollment will be noted on your High School transcript. In addition, we are working with local colleges and universities to potentially earn college credit while you are in High School. Many companies that specialize in either I.T. or Manufacturing are well aware of this state program and realize that Innovation Pathway students have the in-demand skills that they are looking for in their future hires. We even have courses that grant industry recognized credentials. Currently, we have one industry recognized credentialing (IRC) class, but over the next year we will have an additional five IRC's.

Is there flexibility?

This program is designed for flexibility in several ways. We want you to have flexibility in course selection. We have several courses that meet the requirements of this pathway, so that you can take the courses that most interest you. Also, these courses provide flexibility for your future. The innovation pathway is ideal for students wanting to go to college or university or directly into the workforce as a result of our combination of college and career focused courses.

what is an innovation pathway?

An Innovation Pathway is a program that combines college level courses, industry recognized credentials, and hands-on learning experiences (both in the school and with our industry partners).

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Lastly, we know that students benefit from hands on learning experiences. That is why our classes and internships in these pathways are designed to give you the hands on activities that make learning engaging.

Requirements:

- 2** College Level Courses
- 2** Industry Focused Courses
- 100** Hour Experiential Learning Experience
(which can take the place of a senior capstone)

Course Options Aligned to the Pathways:

- Web Design 1 & 2
- Computer Programing
- AP Comp. Science A & AP Computer Science
- Robotics: Mechanics & Robotics Electrical
- Maker Space
- PMI (Industry Recognized Credential)
- IB Information Technology in a Global Society
- Communicating Through Technology
- Marketing
- Stats I & Stats II
- AP Stats
- IB Math Analysis HL or Applications SL
- Financial Algebra
- Quantitative Reasoning
- IB English HL or SL
(counts as 2 yr fulfillment of college level course)
- Animation
- Intro to Graphic Design
- 3D Design 1 & 2

Our Partners

We have partners to provide value to our courses and work-based experience for students. Our partners help provide field trips, career readiness training, internships and experiential learning opportunities. QRSD has developed several partners that support our Innovation Pathways:

North-Central Regional MassHire

Vibram

L.S. Starrett

Quabbin Wire & Cable

Saint-Gobain

QRSD I.T. Department

Industry Recognized Credentials:

- Hardware: IC3 Information Technology Literacy
- Software: IC3 Information Technology Literacy (Microsoft Software Applications)
- Security: IC3 Information Technology Literacy (Internet Security)
- NC3 Dremel 3D Printing
- PMI