

Technology/Engineering Course Offerings

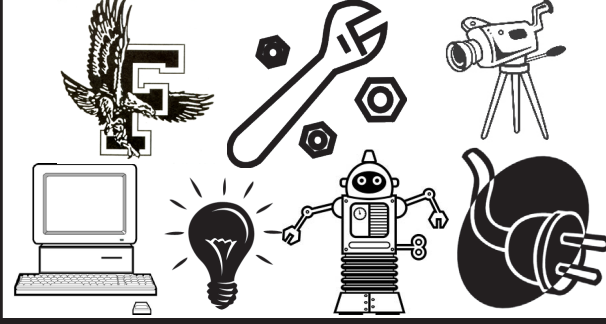
Media and Communications

Engineering

9th Grade Availability	9th Grade Availability
<ul style="list-style-type: none"> • Introduction to Science and Engineering CP1 • Digital Photography • Desktop Publishing • Graphic Communication 	<ul style="list-style-type: none"> • Introduction to Science and Engineering CP1 • Introduction to Gaming CP1 • Web Design / HTML • Electronics • Engineering Drawing 1 and 2 • Transportation Technology • ESL Technology/Engineering
10th Grade Availability	10th Grade Availability
<p>(In addition to offerings listed above)</p> <ul style="list-style-type: none"> • Computer Graphics 1 and 2 • Advanced Digital Photo • Television Production 1 and 2 • Production Graphics 	<p>(In addition to offerings listed above)</p> <ul style="list-style-type: none"> • Advanced Electronics • Computer Science CP1 • Robotics • Architectural Design CP1 1 and 2 • Intro to Manufacturing Technology • Pre-Engineering Exploration

If you have chosen a traditional Science specific course as a freshman, there still will be many other opportunities for you to get involved throughout your four years at the high school in Technology/Engineering. We offer several courses open to freshmen as electives in addition to the MCAS foundation course.

Framingham High School Technology/ Engineering



Welcome to Framingham High School! You will have the opportunity to pick or elect courses now that are career and technical in nature and have ties with local colleges.

Technology/Engineering is one of the options you have to pass the MCAS Science graduation requirement. It is a subject area that encourages you to build and/or create when solving problems through an engineering design process. Our program is hands-on in nature while seeking to explain and understand the science of the real world.

It is recommended that you consider "Introduction to Science and Engineering CP1" as a beginning course as you enter the high school. This is our MCAS course and it would be a good foundation for other courses in our department.

TECH PREP – High School Courses That Receive College Credit

Students must attain a “B” or better for credit

Family & Consumer Sciences

Technology Education/Math

MassBay Community College	Benjamin Franklin Institute of Technology	MassBay Community College
<ul style="list-style-type: none"> • Child Growth and Development (3 credits) • Early Childhood Education (3 credits) • Infant Toddler Care 	<ul style="list-style-type: none"> • Electronics • Advanced Electronics • Robotics • Architectural Design • Advanced Architectural Design • Engineering Drawing 1 & 2 • Pre-engineering Exploration • Introduction to Science and Technology • Programming in Java • Computer Science AB (Earn up to 4 credits from this coursework.) 	<ul style="list-style-type: none"> • Intro to Java Programming (3 credits) • Computer Science (4 credits) • Web Design / HTML (3 credits) + Additional course in Media Communications • Digital Photography (3 credits)
Quinsigamond Community College	Wentworth Institute of Technology	New England Institute of Technology
<ul style="list-style-type: none"> • Child Growth and Development (3 credits) • Early Childhood Education (3 credits) 	<ul style="list-style-type: none"> • Electronics/Advanced Electronics • Engineering Drawing 1 & 2 (TBD Credits) 	<ul style="list-style-type: none"> • Graphic Design Program: Digital Photo, Computer Graphics 1 & 2, Graphic Communications, Desktop Publishing, Advanced Digital Photo (up to 13 credits)
	Newbury College	New England Institute of Art
	<ul style="list-style-type: none"> • Computer Graphics 1 & 2 (3 credits) 	<ul style="list-style-type: none"> • Graphic Design Program (6 credits)

Tech Prep is a program of study that begins in high school, parallels and includes college prep courses of study, continues at a post-secondary institution (normally a community college) and supports goals to a specific career pathway.

Tech Prep courses are designed to allow students to receive college credit for high school work acceptable to an articulated institution if the student chooses to attend that institution. This reduces the redundancy that students might face with the beginning courses in a degree sequence. Tech Prep courses are aligned with challenging academic standards and provide a coherent and rigorous content with real world connections.

At Framingham High School, students can be automatically enrolled in Tech Prep when taking the program or the courses listed above. We maintain our strongest partnership with MassBay Community College.