

Courses marked with * are dual CTE and Visual Arts.. Courses marked with ** are dual CTE and academic department.

Courses marked in green represent the entry-level course in a sequence. These are often, but not always, prerequisite courses for those that follow.	Courses marked in blue represent the second-level courses in a sequence. They are a fit for students with prior knowledge or those who have taken prior courses.	Courses marked in purple represent courses in the final step of the sequence. The courses may or may not be offered for advanced or AP credit.
--	--	---

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Business, Finance & Information Technology Pathway					
Computer Science Concentration					
CE4101/MA1501	SNAP**	.5	In development: Student Help Desk / Tech Support		<u>In Discussion:</u> Roxbury Community College Bunker Hill Mass Bay Benjamin Franklin Institute of Technology <u>Currently Available:</u> Dual Enrollment at Benjamin Franklin Institute of Technology
CE4500	Auton. Robotics I	.5			
CE4900	Website Design <i>(pending funding)</i>	.5			
CE4102/MA1502	Python**	.5			
CE4510	Auton. Robotics II	.5			
CE4910	Website Management <i>(pending funding)</i>	.5			
CE4700	AP CS Principles	1.0			
CE4750	AP CS A	1.0			
Students interested in Computer Science might also enjoy these related courses:					
• VA9101/CE9101 or VA9201/CE9201 Digital Design Studio I* and II • VA8301 3D Animation; VA8101 Animation I and VA8201 Animation II • ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone • MA4120 Statistics and/or MA4140 AP Statistics [Math] • MA4200 Perspectives of a Mathematical Mind [Math] • SC5600/TE5600 Engineering Innovation & Design – Design : Create : Innovate [Science / CTE]					
NOTE: These courses are not connected to the Computer Science concentration pathway.					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Business, Finance & Information Technology Pathway					
Business Concentration					
CE1100	Intro. To Business Management	.5	School Store (CE9100)	Financial Literacy Certification based on Jumpstart National Standards	<u>In Discussion:</u> Roxbury Community College Bunker Hill Mass Bay Benjamin Franklin Institute of Technology <u>Currently Available:</u> Dual Enrollment at Benjamin Franklin Institute of Technology
CE1200	World of Money	.5	Copy Center (TE4200/ TE4201/ TE4202)		
CE 1400	Psychology of Marketing	.5	Production House: Brookline Lens* (VA7450/CE7450)		
EN4900/CE1500	English for Entrepreneurs** (not running in 23-24)	1	School Newspaper: Journalism I** (ID0100) and II** (ID0130)		
Students interested in Business might also consider these related courses:					
• SO5420/ SO5430 Economics/ Economics Honor [Social Studies] • SO4600 Global Leadership [Social Studies] • SC4570/SO4570 Climate Science and Social Change (pending funding) [Social Studies] • SO6800 Philosophy: [Social Studies] • SO4500 The Brookline High School Program in Social Justice Leadership [Social Studies] • ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone • MA4120 Statistics and/or MA4140 AP Statistics [Math] • MA4200 Perspectives of a Mathematical Mind [Math] • SO4420/SO4430 Psychology/ Psychology Honor [Social Studies] • SC5600/TE5600 Engineering Innovation & Design – Design : Create : Innovate [Science / CTE]					
NOTE: These courses are not connected to the Business concentration pathway.					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Business, Finance & Information Technology Pathway					
Digital Media and TV Production* Concentration					
VA9101/CE9101	Graphic Design I*	.5	Copy Center (TE4200/ TE4201/ TE4202) Production House: Brookline Lens* (VA7450/CE7450) School Newspaper: Journalism I** (ID0100) and II** (ID0130)	783456	
VA9310/CE9310	Digital Video Production I*	.5			
VA 9800/CE9800	TV Production I*	.5			
VA9600/CE9600	Documentary Filmmaking*	.5			
VA9201/CE9201	Graphic Design II *	.5			
VA9320/CE9320	Digital Video Production II *	.5			
VA9900/CE9900	TV Production II*	.5			
VA7450/CE7450	The Brookline Lens* / Documentary Photo*	1.0			
Students interested in Digital Media might also enjoy these related courses:					
• VA 9400 Comic Books 101 • VA8301 3D Animation • VA8101 Animation I and VA8201 Animation II • ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone • SO4800/VA4800 Film as History/History as Film • VA7210 Photography Intensive: Digital • PA2201 Digital Music Production and Composition • TE3200 Introduction to Technical Drawing and CAD (Computer Aided Design • TE3300 Architectural Design and Drafting with CAD (Computer Aided Design) • SC5600/TE5600 Engineering Innovation & Design – Design : Create : Innovate [Science / CTE]					
NOTE: These courses are not connected to the Digital Media and TV Production concentration pathway.					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Business, Finance & Information Technology Pathway					
Journalism** Concentration					
ID0100	Journalism I**	1.0	School Newspaper: Journalism I** (ID0100) and II** (ID0130)		
ID0130	Journalism II**	1.0			
Students interested in Journalism might also consider these related courses: • VA9101/CE9101 or VA9201/CE9201 Digital Design Studio I* and II • SC4570/SO4570 Climate Science and Social Change (<i>pending funding</i>) [Social Studies] • ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone • VA7450/CE7450 The Brookline Lens: A Photo-Video Production House • VA7001 Photography: Foundations or Intensive VA7101 • EN4900/CE1500 English for Entrepreneurs** • EN4500 Issues in Contemporary Literature • EN4700 Public Speaking and Public Writing • CE1100 Introduction to Business Management • SC6100/VA6100 Drawing for Understanding in Field Science <i>NOTE: These courses are not connected to the Journalism concentration pathway.</i>					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Engineering and Technical Pathway					
Engineering Technology Concentration					
TE4501	Intro to Engineering Design I	.5			<u>In Discussion:</u> Roxbury Community College Bunker Hill Mass Bay Benjamin Franklin Institute of Technology <u>Currently Available:</u> Dual Enrollment at Benjamin Franklin Institute of Technology
SC5500/TE5500	Engineering by Design**	.5			
SC5600/TE5600	Engineering, Innovation, and Design**	1.0			
Students interested in Engineering might also enjoy these related courses: • VA3001 Sculptural Objects : Foundations • TE1001 Creative Woodworking I and/or TE1002 Creative Woodworking II • CE4500 Autonomous Robotics I and/or CE4510 Autonomous Robotics II • VA0101 Art Studio • CE4100/MA1500 Exploring Computer Science Engineering** • CE4102/MA1502 or Computer Programming: Python** • SC4140 Advanced Placement Physics – 1&2 • CE4750 AP Computer Science A • CE1100 Introduction to Business Management • EN4900/CE1500 English for Entrepreneurs** • ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone NOTE: These courses are not connected to the Engineering Technology concentration pathway.					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Engineering and Technical Pathway					
Integrated Construction Technology Concentration					
TE3200	Introduction to Technical Drawing and CAD	.5			<u>In Discussion:</u> Roxbury Community College Bunker Hill Mass Bay Benjamin Franklin Institute of Technology <u>Currently Available:</u> Dual Enrollment at Benjamin Franklin Institute of Technology
TE1001	Creative Woodworking I	.5			
TE3300	Architectural Design and Drafting with CAD	.5			
TE1002	Creative Woodworking II	.5			
TE1003	Furniture Design and Construction	.5			
TE1500	Construction Engineering/Micro House Design and Construction (<i>not running 23-24</i>)	1 - 2			
Students interested in Integrated Construction Technology might also enjoy these related courses: ● VA3001 Sculptural Objects : Foundations ● CE4500 Autonomous Robotics I and/or CE4510 Autonomous Robotics II ● CE4100/MA1500 Exploring Computer Science Engineering** ● CE4102/MA1502 or Computer Programming: Python** ● ID2000 EPIC for Seniors: Experiential, Project-based, Innovative Capstone ● VA9101/CE9101 or VA9201/CE9201 Digital Design Studio I* and II ● VA8101 Animation I and VA8201 Animation II ● SC5600/TE5600 Engineering Innovation & Design ** ● PA4400 Backstage: Power Tools and Special Effects <i>NOTE: These courses are not connected to the Integrated Construction Technology concentration pathway.</i>					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Human Development Pathway					
Medical Concentration					
CE5500	Medical Careers	.5	Internship opportunity available with Harvard MedScience for limited number of students in Medical Careers course		<u>In Discussion:</u> Roxbury Community College Bunker Hill Mass Bay
CE5900	Peer Leadership and Public Health	.5			
CE5550/CE5551	Medical Interpretation and Translation Spanish/Portuguese <i>(pending funding)</i>	.5			
CE5901	Peer Leadership and Public Health II	.5			
Students interested in Medicine might also enjoy these related courses: ● SC5820/SC5830 Forensic Science / Forensic Science Honor ● SC5130 Body/Mind Honor ● SC4320/ SC4330 Anatomy and Physiology / Anatomy and Physiology Honor ● WE2800 Achieving Health Through Yoga ● SO2100 Racial Awareness Seminar ● SO4500 The Brookline High School Program in Social Justice Leadership ● SO 5040 AP Human Geography ● SO4420/SO4430 Psychology/ Psychology Honor ● SO4320/ SO4330 Legal Studies and Internship/Legal Studies and Internship Honor NOTE: These courses are not connected to the Medical Human Development concentration pathway.					

COURSE NUMBER	COURSE TITLE	CREDITS	WORK-BASED LEARNING	CERTIFICATION / CREDENTIAL	POST-SECONDARY PARTNERS
Culinary Pathway					
FP100	Culinary Exploratory	.5			
FP2000	The Cooking of Italy and China	.5	Tappan Green (Student-Run Restaurant)	ServeSafe	<u>In Discussion:</u> Roxbury Community College Bunker Hill Mass Bay Massasoit Community College
FP5000 I	International Baking	.5			
FP3000	American Regional Cuisine	.5			
CE6100	Restaurant and Culinary Careers I	.5			
CE6200	Restaurant and Culinary Careers II	.5 or 1.0			
FP 8000	Advanced Food Preparation/Culinary Arts	.5 or 1.0			
CE6300	Restaurant and Culinary Careers III / Major	.5 or 1.0			
Students interested in Culinary might also enjoy these related courses: • CE1100 Introduction to Business Management • CE 1400 Psychology of Marketing • EN4900/CE1500 English for Entrepreneurs** • SC2020 Chemistry I or SC2030 Chemistry I Honor • SC4240 Advanced Placement Chemistry • EN4700 Public Speaking and Public Writing • MA4200 Perspectives of a Mathematical Mind [Math] NOTE: These courses are not connected to the Culinary concentration pathway.					

On Leveling:

Courses marked in green represent the entry-level course in a sequence. These are often, but not always, prerequisite courses for those that follow.	Courses marked in blue represent the second-level courses in a sequence. They are a fit for students with prior knowledge or those who have taken prior courses.	Courses marked in purple represent courses in the final step of the sequence. The courses may or may not be offered for advanced or AP credit.
--	--	---

The Career & Technology Education department believes in competency-based education. Students are rarely, if ever, grouped by age/grade or academic level. Our programs instead opt to track students by understanding of and prior experience with course-related content and skills.

As the above Program of Study indicates, we offer 8 concentrations across 4 pathways, each of which include a sequence of courses. Each pathway and concentration offers entry-level and intermediate courses. Most concentrations and pathways also include advanced courses. In CTE, the term “advanced” is used to describe a course experience that challenges students beyond the intermediate level. While some of these classes are offered for Advanced Placement (AP) credit, the majority of our “advanced” classes are issued credit that corresponds with all other unlevleed classes.

For example, a student may opt to take Furniture Design and Construction while pursuing an Integrated Construction Technology concentration in our Engineering and Technical Pathway. Only students who have successfully completed Creative Woodworking I (entry-level) and Creative Woodworking II (intermediate) can enroll in the Furniture Design class, making it the most advanced course experience in the sequence. All three courses (Creative Woodworking I, Creative Woodworking II, and Furniture Design) are unlevleed.