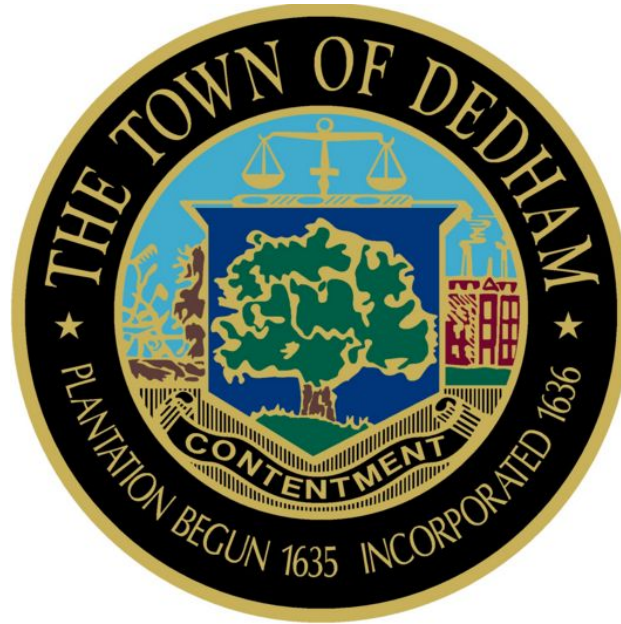


# Dedham High School

**2017**



**2018**

**School Committee  
Recommendations**

# 4 Years of Mathematics

Looking to best prepare our students for life's responsibilities, challenges and opportunities to thrive in the 21<sup>st</sup> century, we see the need to increase our Mathematics requirement from 3 to 4 years.

# 4 years of Mathematics

Meets MASS CORE requirements and MA State University System

MassCore	
Massachusetts High School Program of Studies	
English/Language Arts	4 Units
Mathematics	4 Units Including the completion of Algebra II or completion of the Integrated Math equivalent. All students are recommended to take a math course during their senior year.
Science	3 Units of lab-based science Coursework taken in technology/engineering may count for MassCore science credit. Note: In June 2012, the Massachusetts Board of Higher Education (BHE) revised its admission standards to count technology/engineering coursework based on academic standards and taken for science credit as meeting the science admissions requirement.
History/Social Science	3 Units Including US History and World History.
Foreign Language**	2 Units Of the same language.
Physical Education	As required by law State law (M.G.L. c. 71, s. 3) states: "Physical education shall be taught as a required subject in all grades for all students." Health can be integrated into Physical Education, science, or taught as a stand-alone course.
The Arts**	1 Unit
Additional Core Courses	5 Units Business Education, Career and Technical Education (CTE), Health, Technology or any of the subjects above. Note: Most students majoring in CTE will take more than 5 units in a CTE program of study.
22 Units - Is a minimum that students should take in high school	

# MA Department of Higher Education, Admission Standards for Massachusetts State University System

Subject	Requirement for college freshman class entering...					
	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall 2017 and beyond
English	4 courses					
Mathematics	3 courses (Algebra I & II and Geometry or Trigonometry or comparable coursework)				4 courses (Algebra I & II and Geometry or Trigonometry, or comparable coursework) including mathematics during the final year of high school	
Sciences	3 courses (drawn from Natural Science and/or Physical Science and/or Technology/ Engineering; including 2 courses with laboratory work); <i>Technology/engineering courses must be designated as science courses (taken for science credit) by the high school</i>					3 courses (drawn from Natural Science and/or Physical Science and/or Technology/ Engineering), including 3 courses with laboratory work
Social Sciences	2 courses (including 1 course in U.S. History)					
Foreign Languages	2 courses (in a single language)					
Electives	2 courses (from the above subjects or from the Arts & Humanities or Computer Sciences)					

# **Supporting Data:** A trending transition

Number of students who did not take math in their senior year?

➤ *12-13: 12*

➤ *13-14: 13*

➤ *14-15: 11*

➤ *15-16: 9*

➤ *16-17: 4*

# **Eligibility for MIAA Athletics and all Extracurricular Activities**

DHS currently has the lowest academic requirement in the MIAA.

# Our #1 Goal:

To better prepare students for life beyond high school and to ready student athletes to meet the eligibility requirements established by the NCAA

NCAA Eligibility Reference Sheet:

[https://www.ncaa.org/sites/default/files/2011-12\\_Quick\\_Reference\\_Sheet.pdf](https://www.ncaa.org/sites/default/files/2011-12_Quick_Reference_Sheet.pdf)

2.3 Or Take a Knee:

<http://www.ncaa.org/static/2point3/>

MassCore HS Program of Studies:

<http://www.doe.mass.edu/ccr/masscore/summary.pdf>

# Student Ineligibility Comparison

2016-17 School Year

Students Ineligible With Current DHS Standard				Students Who Would Have Been Ineligible With Increased Eligibility Standard			
(Did not pass at least 4 classes)				(Did not pass at least 5 classes)			
	Term 1	Term 2	Term 3		Term 1	Term 2	Term 3
Freshmen	10	12	12	Freshmen	13	19	16
Sophomores	9	9	13	Sophomores	14	10	19
Juniors	9	15	12	Juniors	10	20	16
Seniors	10	15	17	Seniors	14	22	22
Percentages Of Students				Percentages Of Students			
	Term 1	Term 2	Term 3		Term 1	Term 2	Term 3
Freshmen	4.70%	5.70%	5.70%	Freshmen	6.20%	9.00%	7.60%
Sophomores	4.80%	4.80%	7.00%	Sophomores	7.50%	5.40%	10.20%
Juniors	5.50%	9.20%	7.40%	Juniors	6.10%	12.30%	9.80%
Seniors	5.20%	7.90%	8.90%	Seniors	7.30%	11.50%	11.50%



# Re-Align DHS College Prep 2 GPA

Weigh all College Prep courses equally in the Weighted GPA Scale.

## Dedham High School Weighted GPA Scale

Letter Grade	Numeric Equivalent	Unweighted GPA	Weighted GPA			
			AP	Hon	CP1	CP2
A+	>96	4.30	5.59	5.16	4.30	3.44
A	93-96	4.00	5.20	4.80	4.00	3.20
A-	90-92	3.70	4.81	4.44	3.70	2.96
B+	87-89	3.30	4.29	3.96	3.30	2.64
B	83-86	3.00	3.90	3.60	3.00	2.40
B-	80-82	2.70	3.51	3.24	2.70	2.16
C+	77-79	2.30	2.99	2.76	2.30	1.84
C	73-76	2.00	2.60	2.40	2.00	1.60
C-	70-72	1.70	2.21	2.04	1.70	1.36
D+	67-69	1.30	1.69	1.56	1.30	1.04
D	63-66	1.00	1.30	1.20	1.00	0.80
D-	60-62	0.70	0.91	0.84	0.70	0.56
F	<60	0.00	0.00	0.00	0.00	0.00
NC	n/a	0.00	0.00	0.00	0.00	0.00

# High Schools with a Similar Model

## Westwood High School Weighted GPA Scale

		<u>G.P.A. MATRIX</u>		
COURSE LEVEL:		1	2	3
FINAL GRADE:	A	4.50	4.00	4.00
	A-	4.17	3.67	3.67
	B+	3.83	3.33	3.33
	B	3.50	3.00	3.00
	B-	3.17	2.67	2.67
	C+	2.83	2.33	2.33
	C	2.50	2.00	2.00
	C-	2.17	1.67	1.67
	D+	1.83	1.33	1.33
	D	1.50	1.00	1.00
	D-	1.17	0.67	0.67
	F	0.00	0.00	0.00

## Watertown High School Weighted GPA Scale

		<u>Weighted Rank</u>		
		AP	Honors	Level 1 & Level 2
	A+	5.3	4.8	4.3
	A	5.0	4.5	4.0
	A-	4.7	4.2	3.7
	B+	4.3	3.8	3.3
	B	4.0	3.5	3.0
	B-	3.7	3.2	2.7
	C+	3.3	2.8	2.3
	C, S	3.0	2.5	2.0
	C-	2.7	2.2	1.7
	D+	2.3	1.8	1.3
	D	2.0	1.5	1.0
	D-, U	1.7	1.2	0.7
	F, INC	0	0	0

Level 1 includes both AP and Honors

# **Evidence Supporting the Transition:**

- The course content and objectives are identical.
- The distinction in level is related to instructional practices and pace of the course.