

The Commonwealth's STEM Talent Pipeline

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Prepared by John F. Hodgman, Professor of the Practice - Entrepreneurial Leadership Studies
 Tufts Gordon Institute: Member of the Governor's STEM Advisory Council

2010 SAT Intended College Majors: STEM Fields

The 2010 data for MA indicate that the number of SAT test takers planning on STEM majors increased by 60.4% since 2003 when the STEM talent pipeline initiative began. However, MA at 28.6% is still below the National percentage of 32.9%. In 2010 Mass. moved ahead of NJ to rank fifth among 8 competitor states. North Carolina is first with 22,154 or 38.3% of its test takers planning on STEM majors.

In Mass. the data indicated the following number of test takers planning on STEM major clusters:

	1999	2003	2007	2008	2009	2010	Change from 03 Start of STEM Pipeline Initiative:
Biological Sciences:	2273	1744	1901	1815	2106	3137	79.9%
Computer Science/IT	1952	1801	1115	966	1053	1086	-39.7%
Engineering & Eng. Tech.	2547	2536	2906	2975	3212	4277	68.7%
Health & Related Science	5002	4064	5576	5960	6113	7778	91.4%
Mathematics & Statistics	198	292	373	406	422	541	85.3%
Physical Sciences	508	474	543	470	486	684	44.3%
TOTAL STEM MAJORS	12480	10911	12414	12592	13392	17503	60.4%
STEM/ All SAT test takers	25.6%	19.5%	20.4%	20.5%	22.1%	28.6%	

The following summarizes the SAT data for key competitor states tracked by the MTC Innovation Index:

	1999 % Planning STEM	2009 % Planning STEM	2010 % Planning STEM
National	32.7%	28.1%	32.9%
North Carolina	37.0%	33.7%	38.3%
Virginia	NA	28.1%	33.8%
California	33.7%	28.2%	33.6%
Pennsylvania	31.0%	28.3%	31.6%
Massachusetts	25.6%	22.1%	28.6%
New Jersey	27.9%	23.2%	27.9%
New York	24.4%	21.8%	27.0%
Connecticut	23.3%	21.0%	25.9%

Source: College Board State Reports