SAT/SATII Test-Takers Who are Prepared for a STEM Major and "Interested" or "Near Interested." "Near Interested" is defined as not having a STEM field for the first choice for a college major, but having at least one STEM field among the second to fifth choices. "Interested" is defined as having a STEM field for the first choice for a college major.

Data are for MA Public School SAT & SATII Test-Takers Who Graduated in 2010.

of Test-Takers Prepared for STEM Majors

	All Test-Takers		Female Test-Takers		Male Test-Takers	
	From Low- Income Schools	From High- Income Schools	From Low- Income Schools	From High- Income Schools	From Low- Income Schools	From High- Income Schools
Agriculture & Natural Resources	36	62	24	36	12	26
Architecture	92	119	36	49	56	70
Biological & Biomedical Sciences	277	583	187	334	90	249
Computer & Information Sciences	130	154	23	14	107	140
Engineering & Engineering Technology / Technician	512	580	85	87	427	493
Health Professions & Clinical Services	1114	878	907	645	207	233
Mathematics & Statistics	80	73	25	33	55	40
Physical Sciences	56	91	19	29	37	62
STEM Total	2,297	2,540	1,306	1,227	991	1,313
Art & Music	329	507	190	308	139	199
Business, Management & Marketing	872	1356	448	584	424	772
Education	287	398	225	340	62	58
English, Other Languages & Humanities	191	422	139	269	52	153
Psychology	303	327	252	263	51	64
Social Sciences	427	513	255	254	172	259
Other	469	320	206	118	263	202
Undecided	362	878	185	441	177	437
NR	531	706	271	365	260	341
Total	6,068	7,967	3,477	4,169	2,591	3,798

% of Prepared Test-Takers Who are Interested in STEM Majors

·	All Test-Takers		Female Test-Takers		Male Test-Takers	
	From Low- Income Schools	From High- Income Schools	From Low- Income Schools	From High- Income Schools	From Low- Income Schools	From High- Income Schools
Agriculture & Natural Resources	0.6%	0.8%	0.7%	0.9%	0.5%	0.7%
Architecture	1.5%	1.5%	1.0%	1.2%	2.2%	1.8%
Biological & Biomedical Sciences	4.6%	7.3%	5.4%	8.0%	3.5%	6.6%
Computer & Information Sciences	2.1%	1.9%	0.7%	0.3%	4.1%	3.7%
Engineering & Engineering Technology / Technician	8.4%	7.3%	2.4%	2.1%	16.5%	13.0%
Health Professions & Clinical Services	18.4%	11.0%	26.1%	15.5%	8.0%	6.1%
Mathematics & Statistics	1.3%	0.9%	0.7%	0.8%	2.1%	1.1%
Physical Sciences	0.9%	1.1%	0.5%	0.7%	1.4%	1.6%
STEM Total	37.9%	31.9%	37.6%	29.4%	38.2%	34.6%
Art & Music	5.4%	6.4%	5.5%	7.4%	5.4%	5.2%
Business, Management & Marketing	14.4%	17.0%	12.9%	14.0%	16.4%	20.3%
Education	4.7%	5.0%	6.5%	8.2%	2.4%	1.5%
English, Other Languages & Humanities	3.1%	5.3%	4.0%	6.5%	2.0%	4.0%
Psychology	5.0%	4.1%	7.2%	6.3%	2.0%	1.7%
Social Sciences	7.0%	6.4%	7.3%	6.1%	6.6%	6.8%
Other	7.7%	4.0%	5.9%	2.8%	10.2%	5.3%
Undecided	6.0%	11.0%	5.3%	10.6%	6.8%	11.5%
NR	8.8%	8.9%	7.8%	8.8%	10.0%	9.0%
Total	n/a	n/a	n/a	n/a	n/a	n/a

of Prepared Test-Takers "Near Interested" in STEM Majors

	All Test-Takers		Female Test-Takers		Male Test-Takers	
	From Low- Income Schools	From High- Income Schools	From Low- Income Schools	From High- Income Schools	From Low- Income Schools	From High- Income Schools
Agriculture & Natural Resources	18	35	11	19	7	16
Architecture	38	71	14	31	24	40
Biological & Biomedical Sciences	57	120	38	69	19	51
Computer & Information Sciences	68	60	22	14	46	46
Engineering & Engineering Technology / Technician	110	144	17	27	93	117
Health Professions & Clinical Services	157	154	122	113	35	41
Mathematics & Statistics	54	52	24	26	30	26
Physical Sciences	19	27	10	9	9	18
"Near Interested" in STEM Total	521	663	258	308	263	355
Only Interested in Non-STEM Majors	2,742	4,144	1,655	2,316	1,087	1,828
1st Major was STEM	2,297	2,540	1,306	1,227	991	1,313
NR	508	620	258	318	250	302
Total Prepared Test-Takers	6,068	7,967	3,477	4,169	2,591	3,798

% of Prepared Test-Takers "Near Interested" in STEM Majors

	All Test-Takers		Female Test-Takers		Male Test-Takers	
	From Low- Income Schools	From High- Income Schools	From Low- Income Schools	From High- Income Schools	From Low- Income Schools	From High- Income Schools
Agriculture & Natural Resources	0.3%	0.4%	0.3%	0.5%	0.3%	0.4%
Architecture	0.6%	0.9%	0.4%	0.7%	0.9%	1.1%
Biological & Biomedical Sciences	0.9%	1.5%	1.1%	1.7%	0.7%	1.3%
Computer & Information Sciences	1.1%	0.8%	0.6%	0.3%	1.8%	1.2%
Engineering & Engineering Technology / Technician	1.8%	1.8%	0.5%	0.6%	3.6%	3.1%
Health Professions & Clinical Services	2.6%	1.9%	3.5%	2.7%	1.4%	1.1%
Mathematics & Statistics	0.9%	0.7%	0.7%	0.6%	1.2%	0.7%
Physical Sciences	0.3%	0.3%	0.3%	0.2%	0.3%	0.5%
"Near Interested" in STEM Total	8.6%	8.3%	7.4%	7.4%	10.2%	9.3%
Only Interested in Non-STEM Majors	45.2%	52.0%	47.6%	55.6%	42.0%	48.1%
1st Major was STEM	37.9%	31.9%	37.6%	29.4%	38.2%	34.6%
NR	8.4%	7.8%	7.4%	7.6%	9.6%	8.0%
Total Prepared Test-Takers	n/a	n/a	n/a	n/a	n/a	n/a

Information regarding STEM Interested and Prepared or Near Prepared, test-takers from the 2010 Cohort:

30,067 test-takers (75.4% of 39,381 question respondents) were prepared forr a STEM major

10,630 test-takers were both interested in, and prepared for, a STEM major

• This is 27.0% of the 39,381 question respondents, or, 35.5% of the 30,067 STEM prepared test-takers

2,566 test-takers were prepared for STEM majors, but were "near interested"

- This is 6.5% of the 39,381 question respondents, or, 24.1% of the 10,630 STEM prepared test-takers
- 307, or 12.0%, of these 2,566 "near interested" test-takers in 2010 came from 11 high schools
- 818, or 31.9% came from 39 high schools
- 109 high schools had 10 or more "near prepared" test-takers