

## Achieving the Dream Report Series

January 27, 2012



### *Comparing Outcomes for Students who received Supplemental Instruction to those who did not – Fall 2011*

For the Fall 2011 semester, NECC offered 21 sections of Supplemental Instruction (SI) across 7 disciplines. Fifteen of the 21 SI sections (71%) had course completion rates (CCR) with grades A – C that were better than the overall CCR for all sections offered for that course. The overall CCR for all SI sections combined was 71.7% compared to 63.7% for all non-SI course sections offered for those courses. This is a positive difference of 8.0%.

Ten of the 21 SI sections were in Math ranging from Basic Math to Calculus. The CCR for all 10 SI sections combined was 71.3% compared

to 62.2% for all non-SI course sections offered for those courses. This positive outcome is consistent with previous semesters. There are obviously other factors involved in the CCR than just the application of SI.

There were 2 SI sections of College Reading offered and the combined CCR for both resulted in a lower CCR when compared to all non-SI sections of College Reading that were offered.

Please review the attached table for individual course section outcomes.

*Interpretations of these findings as well as suggestions for further analysis are always welcome.*

*Please direct questions and comments to Thomas Fallon, Dean of Institutional Research and*

*Planning, via phone at 978-556-3866 or email at [tfallon@necc.mass.edu](mailto:tfallon@necc.mass.edu).*

				# SI - (A -C) Completers	Completion Rate for SI	# Grades for all Sections	# (A - C) Completers for all Sections	Completion Rate for all Sections	SI Effect
BIO101	Human Biology	SI	29	22	75.9%	352	229	65.1%	10.8%
BIO121	Anat & Phys I	SI	20	16	80.0%	200	116	58.0%	22.0%
BIO122	Anat & Phys II	SI	28	19	67.9%	101	71	70.3%	-2.4%
CHM111	Intro Chem I	SI / SIA	48	42	87.5%	89	65	73.0%	14.5%
ENG101	English Comp I	SI / SIA	44	28	63.6%	940	550	58.5%	5.1%
MAT010	Basic Math	SI	19	12	63.2%	79	42	53.2%	10.0%
MAT021	Basic Algebra I	SI / SIA	45	32	71.1%	517	328	63.4%	7.7%
MAT022	Basic Algebra II	SI	22	16	72.7%	620	399	64.4%	8.4%
MAT115	Appl Technical Math	SI	22	17	77.3%	49	24	49.0%	28.3%
MAT120	College Algebra	SI / SIA	53	35	66.0%	265	172	64.9%	1.1%
MAT130	College Algebra & Trig	SI / SIA	49	31	63.3%	81	35	43.2%	20.1%
MAT251	Calculus I	SI	30	28	93.3%	4	4	100.0%	-6.7%
PSY101	Intro Psych	SI	19	17	89.5%	731	503	68.8%	20.7%
REA021	College Reading	SI / SIA	43	26	60.5%	250	193	77.2%	-16.7%
WRT001	Intro Basic Writing	SI	24	14	58.3%	38	17	44.7%	13.6%
			495	355	71.7%	4,316	2,748	63.7%	8.0%