

#### Published by

# The Higher Education Quality Council of Ontario

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#### Cite this publication in the following format:

Dooley, M., Payne, A. A., Steffler, M., & Wagner, J. (2016). *Understanding the STEM Path through High School and into University Programs – Appendix*. Toronto: Higher Education Quality Council of Ontario.



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## **Appendix**

Table A-1: Ministry of Education Grade 9 Cohort Data Exclusions

	Number	%
Initial Sample	171,813	
Born prior to 1990 or after 1992	5,143	3%
Enrolled in less than three courses in 2005/2006	19,594	11%
From special or small (<25 Grade 9 students) high school	790	0%
No grades in either Level 1 math or English/French.	7,413	4%
Enrolled in an average of less than 3 courses per year in 2006/2007, 2007/2008 and 2008/2009 and no high school diploma. This includes students with no record in those years.	3,566	2%
Total exclusions	36,506	21%
Final estimation sample	135,307	

**Table A-2: OUAC Data Exclusions** 

Original sample size (2004 through 2012)	750,823	
Those with Fewer than four Level 4 university or mixed high school courses	10,099	1%
Those With No University Choices	1,497	0%
Those with Invalid Postal Codes or Missing Postal codes	2972	0%
Those with courses from pre-double cohort curriculum	10,392	1%
Those who attended an atypical high school (prison, aboriginal, etc.)	8,782	1%
Those who applied beyond age 20. In most circumstances should be a 105 application.	7,871	1%
High school cohort was ever less than 20 students / high school data missing	61,177	8%
Total exclusions	102,790	14%
Final estimation sample	648,033	
*Authors' calculations		

Figure 1: Difference in Likelihood of Passing Academic/Mixed/University Math in Table 2 (Comparison group is No AUM Math in prior level or grade of 59% or less)

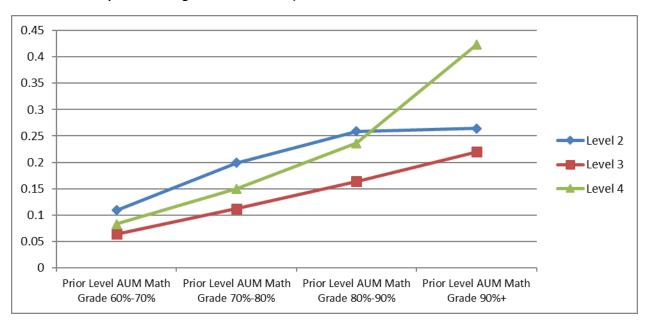


Figure 2: Difference in Likelihood of Passing Academic/Mixed/University Science in Table 2 (Comparison group is No AUM Science in prior level or grade of 59% or less)

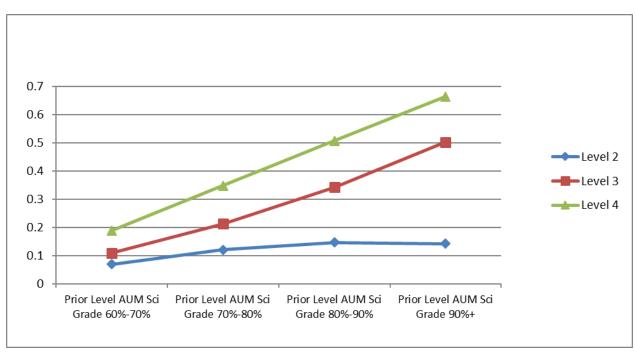
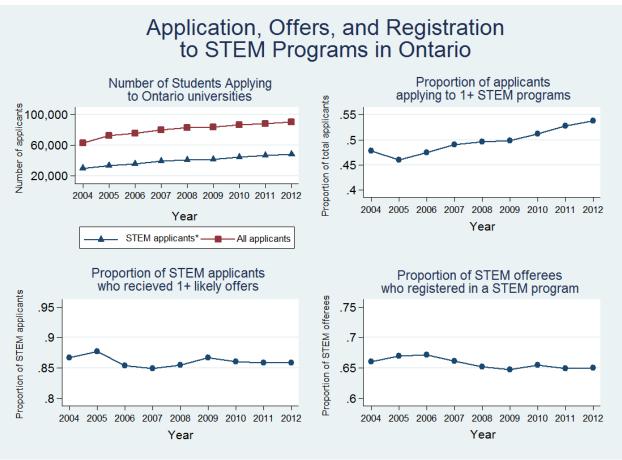


Figure 3: Application, Offers and Registrations to STEM Programs in Ontario



\* Authors' calculations

Figure 4: Difference in Likelihood of Applying to a University STEM Program by Level 4 University/Mixed Science GPA and Number of Level 4 University/Mixed Science Courses in Table 4

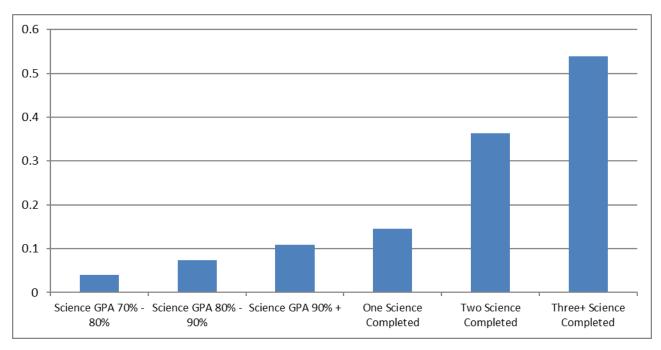


Figure 5: Difference in Likelihood of Registering in a University STEM Program by Level 4 University/Mixed Science GPA and Number of Level 4 University/Mixed Science Courses in Table 4

