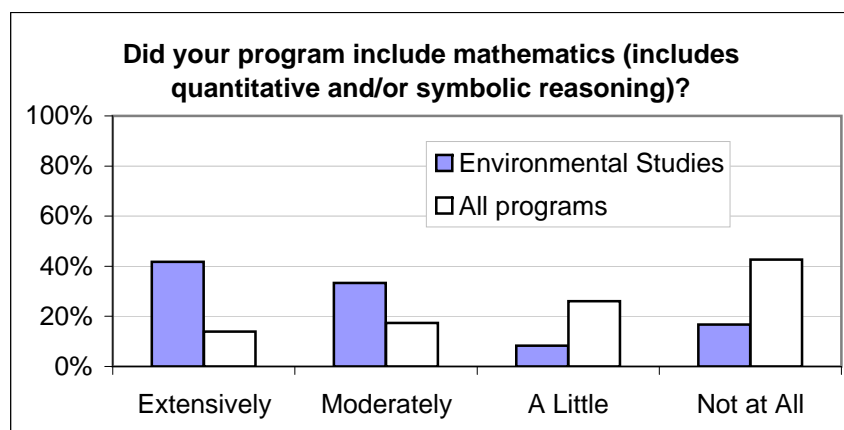


## End-of-Program Review 2007-08

### Mathematics in Environmental Studies programs

Did your program include mathematics (includes quantitative and/or symbolic reasoning)?

	Extensively	Moderately	A Little	Not at All	Percent of Programs with any mathematics	Programs with any mathematics (N)	Programs responded (N)
Environmental Studies	41.7%	33.3%	8.3%	16.7%	83.3%	10	12
All programs	13.9%	17.4%	26.1%	42.6%	57.4%	66	115



### Description of Environmental Studies with mathematics

Environmental Studies programs with mathematics	Extent	Field	Introductory	Intermediate	Advanced
Field Ecology	Extensively	Ecological statistics, spatial analysis			X
Introduction to Environmental Studies: Natural Resources, Oceans and Global Climate Change	Extensively	Statistics	X		
Landscape Processes	Extensively	Algebra and statistics.			X
Temperate Rainforests	Extensively	Statistics			X
Tropical Rainforests	Extensively	Statistics		X	

Ecological Agriculture	Moderately	Description/ data analysis, algebra, reading and interpreting graphs/ tables/ charts	X	X	
Ecology of Harmful Algal Blooms	Moderately	Algebra, statistics		X	
Plant Ecology and Physiology	Moderately	Statistics, computation, units conversion, GIS analysis metric, regression analysis		X	
Vertebrate Evolution	Moderately	Logic, evolutionary reconstruction using computer software (requires dataset construction and manipulation, understanding of binary vs. multistate characters, transformation series in character evolution, and symbolic representation of historical events)		X	
Practice of Sustainable Agriculture-2007	A Little	Basic arithmetic, algebra and geometry	X	X	