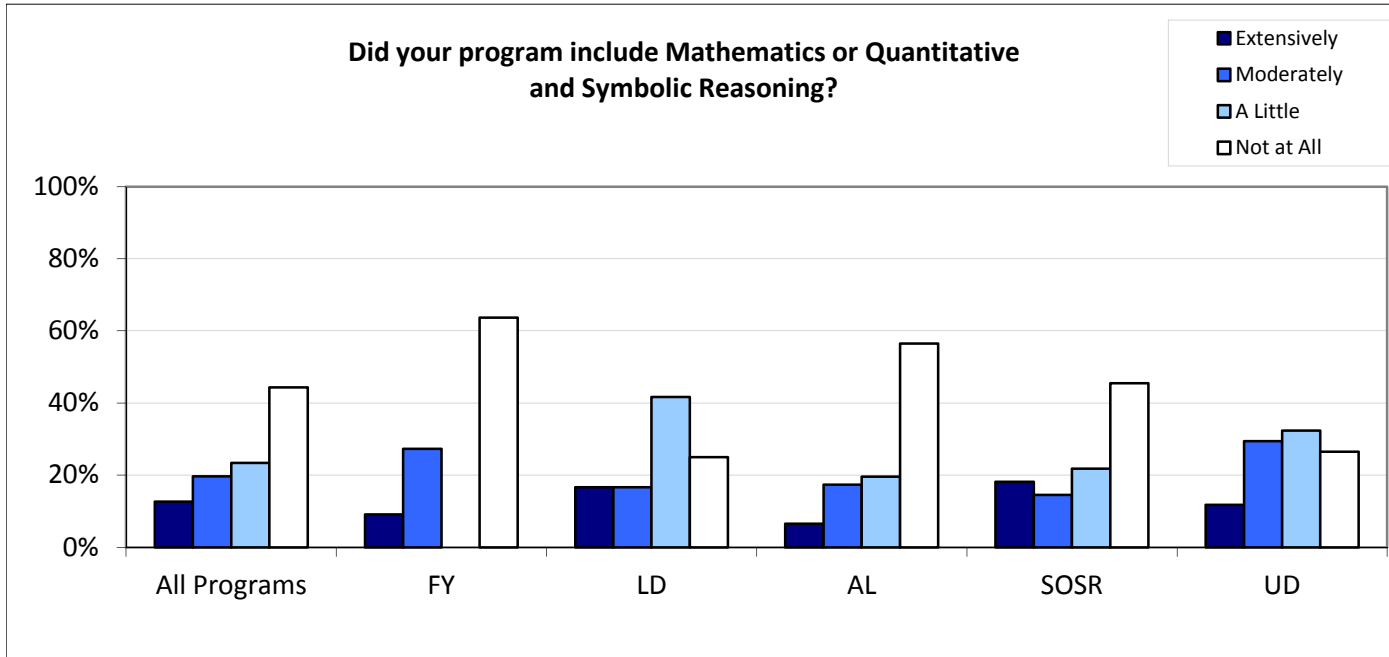


End-of-Program Review 2015-16

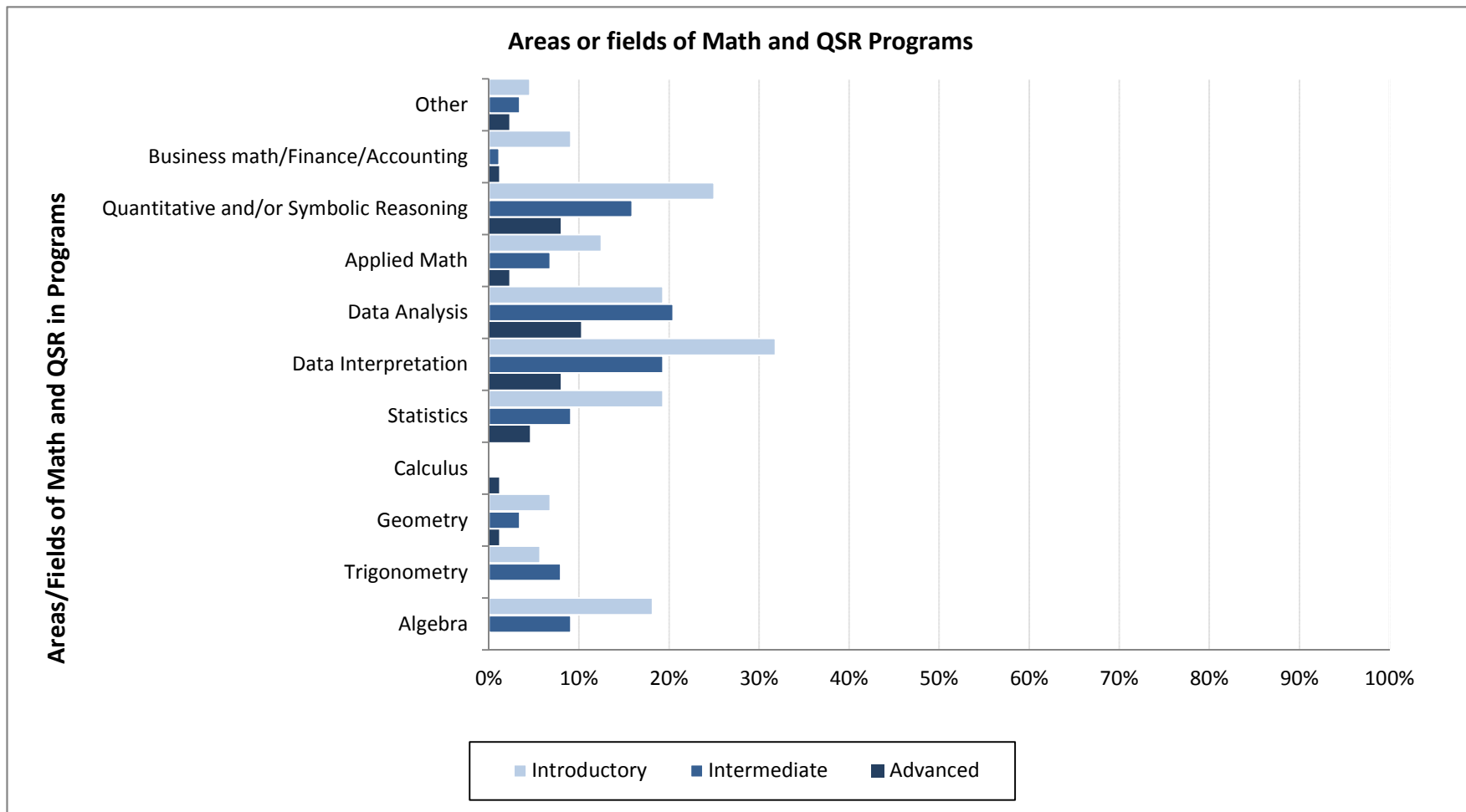
Mathematics or Quantitative and Symbolic Reasoning (QSR) in all programs

The presence of mathematics or quantitative and symbolic reasoning decreased in All programs for the second consecutive year (from 58% to 56%). However, its presence in Lower and Upper Division programs increased respectively from 56% to 75% and from 55% to 74%.



	Extensively	Moderately	A Little	Not at All	Percent of Programs with any Math or QSR	Programs with any Math or QSR (N)	Programs responded (N)
All Programs	12.7%	19.6%	23.4%	44.3%	55.7%	88	158
First-year (FY only)	9.1%	27.3%	0.0%	63.6%	36.4%	4	11
Lower Division (LD) FY-SO	16.7%	16.7%	41.7%	25.0%	75.0%	9	12
All Level (AL) FR-SR	6.5%	17.4%	19.6%	56.5%	43.5%	20	46
Sophomore-Senior (SOSR)	18.2%	14.5%	21.8%	45.5%	54.5%	20	55
Upper Division (UD) JR-SR	11.8%	29.4%	32.4%	26.5%	73.5%	25	34

	Introductory	Intermediate	Advanced
Algebra	18%	9%	0%
Trigonometry	6%	8%	0%
Geometry	7%	3%	1%
Calculus	0%	0%	1%
Statistics	19%	9%	5%
Data Interpretation	32%	19%	8%
Data Analysis	19%	20%	10%
Applied Math	13%	7%	2%
Quantitative and/or Symbolic	25%	16%	8%
Business math/Finance/Accounting	9%	1%	1%
Other	5%	3%	2%



Explanation of Other:

Topology, Abstract Algebra, Real and Complex Analysis, Proofs
Study of abstract visual, religious, kinesthetic, and numerical symbols for emotional, cognitive, and social values, meanings, and reasoning.
Spatial reasoning
Precalculus - Intermediate
Graphing, depicting chemical structures with Lewis diagrams, exploring spatial reasoning
Formal patterns of poetry and their components - sestina, vilanelle, sonnet; rhyme patterns and schemes; feet/meters,; quantitative reasoning as applied to line breaks, stanza breaks.
Excel; GIS
Basic Kinesiology, analysis of effort, architecture of 3-D Space, movement notation.
Advanced Methods -- Linear Algebra, Differential Equations