

Survey of Academic Programs in Analytics

Information Subcommittee of the INFORMS University Analytics Program Committee

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analyze | organize | optimize

- To determine ***information and documents*** useful for programs as they either ***launch*** or ***maintain academic programs*** in Analytics such as:
curricula, reading lists, texts, job descriptions, cases and
program operating data:
applications, enrollment, degrees conferred, and placement
- To allow programs to ***benchmark*** their ***performance*** and ***progress***
- Foster and compile ***best practices*** and ***ideas for continuous improvement***
- ***Surveyed 105 Analytics Program Representatives; 28 respondents***

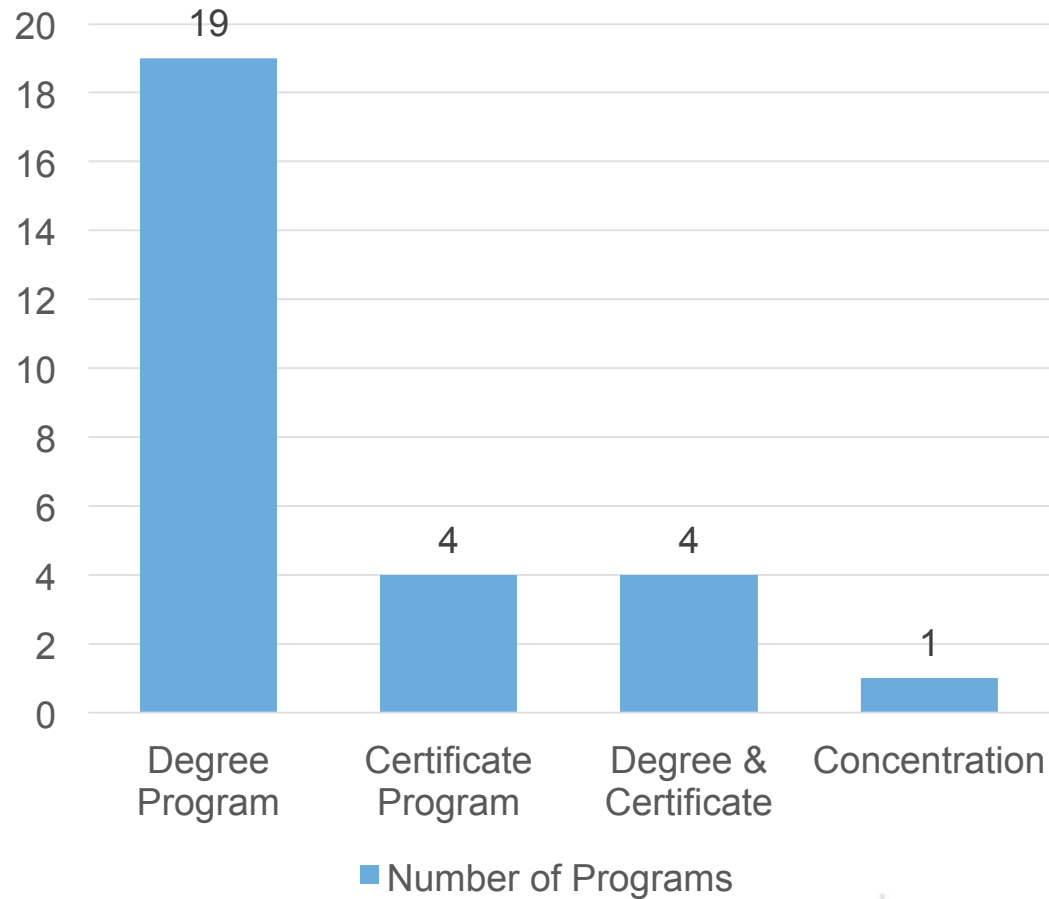
	Number of Programs	Percent
Business School	17	60.71%
Computer Science Department	3	10.71%
Mathematics & Sciences	3	10.71%
Engineering School	2	7.14%
Interdisciplinary	1	3.57%
School of Continuing Studies	1	3.57%
Statistics	1	3.57%
Total Number of Programs	28	

Population of Students Enrolled in Analytics

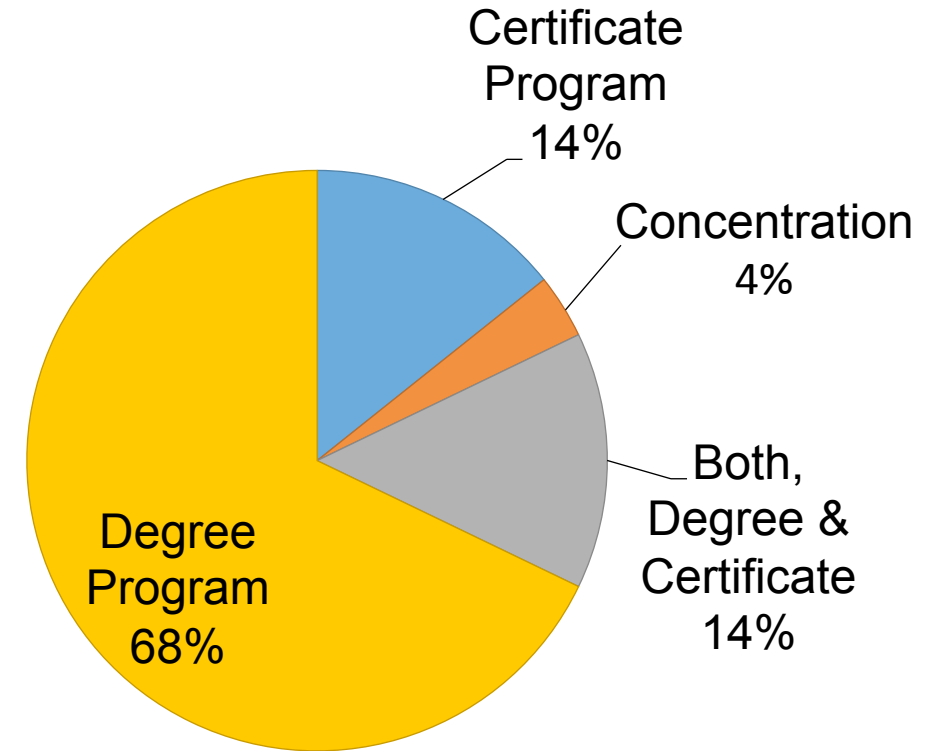
By Academic Area	# of Students Enrolled		Number of Schools/ Programs
Business	456	(53%)	8
Computer Science	144	(17%)	1
Engineering	102	(12%)	3
College of Science and Mathematics	80	(9%)	1
School of Continuing Liberal and Professional Studies	61	(7%)	1
Department of Statistics	10	(1%)	1
Total	853		

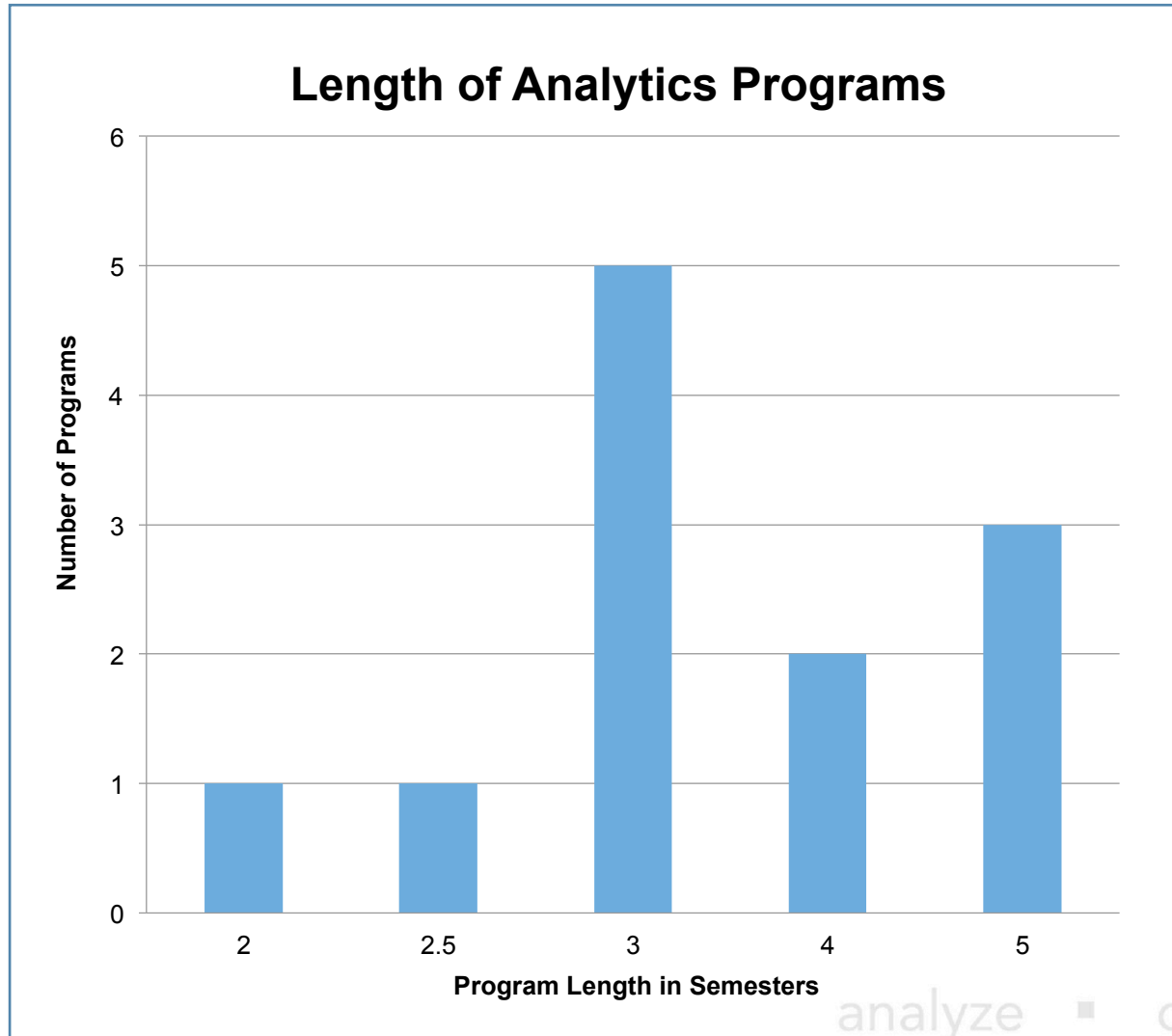
Note: Only 15/28 schools reported student enrollment numbers.

Number of Programs by Type



Proportion by Type

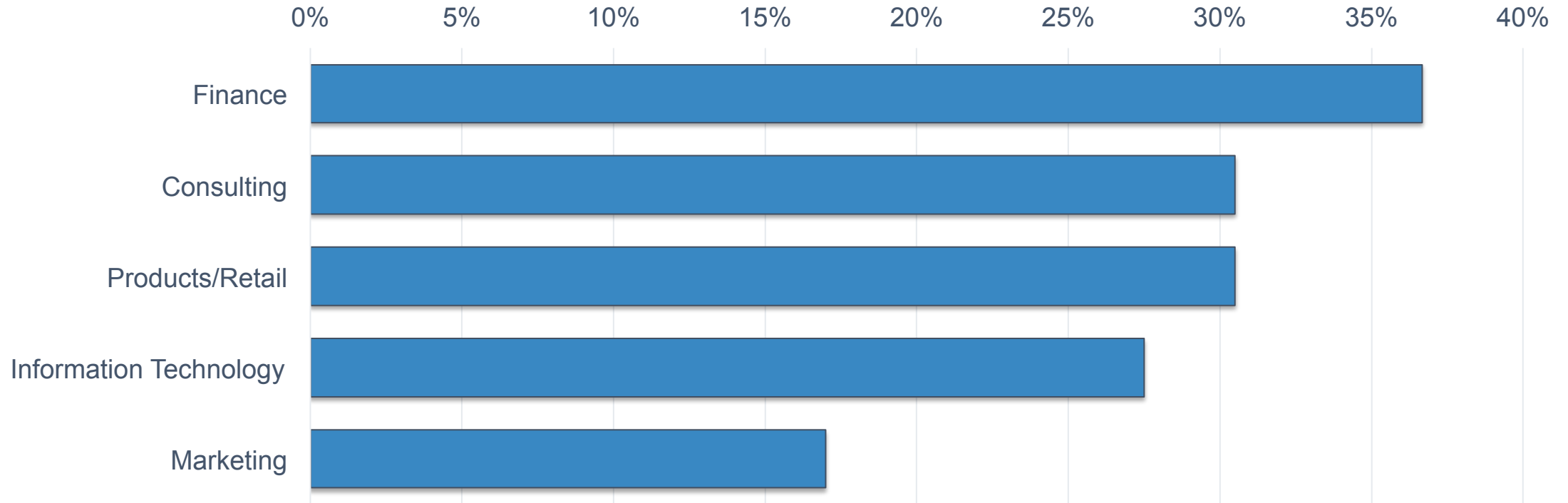




Average Size of Most Recent Graduating Class:
32.6

10 programs reporting

Graduating Student Placement by Industry



Average percentage of graduating students placed in the University's top two industry categories

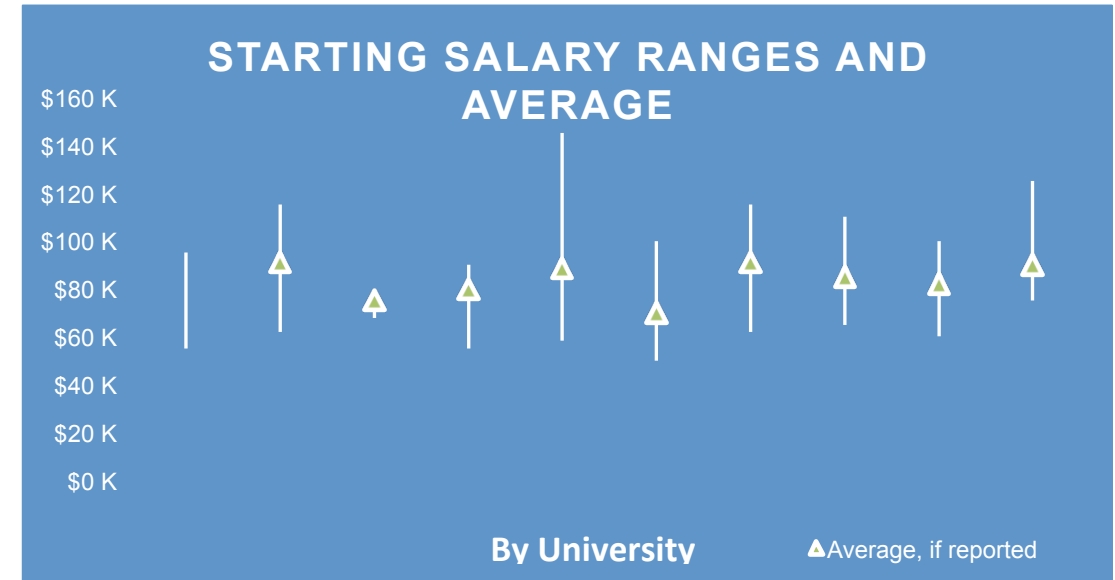
Note: 8/28 schools reported placement data.

74% Previously employed students that changed career paths upon graduation

86% Students placed 30 days after graduation

93% Students placed 60 days after graduation

Note: 10/28 programs reported placement data at 30 days; 6/28 programs reported placement data at 60 days.



Note: 10/28 schools reported salary data.

	30 day placement	60 day placement	Average Starting Salary
Average	86%	93%	\$83,598
Low	30%	65%	\$75,000
High	100%	100%	\$91,000
1st Quartile	87%	96%	\$78,708
3rd Quartile	99%	100%	\$89,675

Before Program Launch		Program Maintenance	
Industry demand: software skill sets (SQL, SAS, html/CSS,C++,R, etc.)	8.95	Industry demand for software skill sets (e.g. SQL, SAS, html/CSS, C++, R, etc.)	8.75
Industry demand: quantitative skill sets (e.g. linear regression, linear programming, etc.)	8.6	Industry demand for quantitative skill sets (e.g. linear regression, linear programming, etc.)	8.625
Industry demand for data skill sets (e.g. data warehousing, database management, Big Data, etc.)	8.5	Value of analytics program to industry	8.5625
Industry demand for business skill sets (e.g. communication, management, big picture thinking, etc.)	8.25	Industry demand for data skill sets (e.g. data warehousing, database management, Big Data, etc.)	8.5
Value of analytics program to industry	8.2	Value of analytics program to students and potential students	8.375
Value of analytics program to students/potential students	7.95	Industry demand for business skill sets (e.g. communication, management, big picture thinking, etc.)	8.1875
Industry demand by specialty areas (e.g. customer analytics, healthcare, supply chain,, etc.)	7.7	Industry demand by specialty areas (e.g. customer analytics, healthcare, supply chain, etc.)	7.75
Curriculum from other programs	6.9	Job descriptions from job postings	7
Job descriptions from job postings	6.85	General analytic resources (influential thinkers, etc.)	6
General analytic resources (influential thinkers, etc.)	6.55	Curriculum from other programs	5.9375
Teaching resources (pedagogy, cases, articles, etc.)	5.55	Teaching resources (pedagogy, cases, articles, etc.)	5.25
Texts used by other programs	4.15	Texts used by other programs	4
Reading lists from other programs	3.65	Reading lists from other programs	3.625