



# Master of Science in Quantitative Management (MQM): Business Analytics

## Class of 2023 Employment Report

### Program Description

The [Master of Science in Quantitative Management \(MQM\): Business Analytics](#) program at Duke University's Fuqua School of Business is an intensive 10-month degree that provides a foundation in data analytics, with a focus on specific issues in one of four industry domains. In addition to learning data science tools, students build critical thinking and communication skills to enable them to ask the right questions, generate insights, and present solutions effectively.

Designed for students with 0-3 years' post-college experience, MQM is a STEM-designated degree giving international students meeting certain requirements the opportunity to work in the United States for three years without sponsorship<sup>1</sup>.

### Graduating Class Profile<sup>2</sup>

Categories	Permanent US Work Authorization (WA)	Temporary US Work Authorization (WA)	Class of 2023 Graduates <sup>2</sup>
<b>SEEKING EMPLOYMENT</b>	<b>47</b>	<b>153</b>	<b>200</b>
<b>NOT SEEKING EMPLOYMENT</b>			
Company Sponsored	0	2	2
Continuing Education	0	0	0
Starting a New Business	0	1	1
Not Seeking for Other Reasons	0	0	0
<b>TOTAL NOT SEEKING EMPLOYMENT</b>	<b>0</b>	<b>3</b>	<b>3</b>
<b>NO RECENT INFORMATION AVAILABLE<sup>2</sup></b>	<b>5</b>	<b>15</b>	<b>20</b>
<b>CLASS OF 2023 TOTAL GRADUATES</b>	<b>52</b>	<b>171</b>	<b>223</b>

### Class Employment

Class of 2023 total graduates	223
Not seeking employment	3
No recent information available	20
Total Seeking Employment	200

### Class Profile

Average Age	23
Average Work Experience (months)	23
Women	135 (59%)
Average Undergraduate GPA	3.62 (4.0 scale)
Mid 80% GMAT	651- 760
Mid 80% GRE Verbal	152 - 166
Mid 80% GRE Quant	160 - 170
Countries Represented	27
Undergraduate Institutions Represented	152
Permanent US Work Authorization	52 (23.3%)
Non-Permanent US Work Authorization	171 (76.7%)

<sup>1</sup> 12 months standard OPT plus one 24-month STEM OPT extension.

<sup>2</sup> This report reflects 91.0% of graduating class reporting reliable outcome information.

## Employment Statistics – Timing of First Offers<sup>3</sup>

	Total Seeking Employment	By Graduation				Between Graduation and Six Months Post Graduation				Total Offers	
		Full-Time		Short-Term		Full-Time		Short-Term			
		#	%	#	%	#	%	#	%	#	%
Permanent US Work Authorization	47	14	30%	0	0%	18	38%	1	2%	33	70.2%
Temporary US Work Authorization	153	15	10%	0	0%	91	59%	15	10%	121	79.1%
<b>TOTAL GRADUATES</b>	<b>200</b>	<b>29</b>	<b>15%</b>	<b>0</b>	<b>0%</b>	<b>109</b>	<b>55%</b>	<b>16</b>	<b>8%</b>	<b>154</b>	<b>77.0%</b>

## Employment Statistics – Timing of Job Acceptances<sup>4</sup>

	Total Seeking Employment	By Graduation				Between Graduation and Six Months Post Graduation				Total Acceptances	
		Full-Time		Short-Term		Full-Time		Short-Term			
		#	%	#	%	#	%	#	%	#	%
Permanent US Work Authorization	47	13	28%	0	0%	19	40%	1	2%	33	70.2%
Temporary US Work Authorization	153	15	10%	0	0%	91	59%	15	10%	121	79.1%
<b>TOTAL GRADUATES</b>	<b>200</b>	<b>28</b>	<b>14%</b>	<b>0</b>	<b>0%</b>	<b>109</b>	<b>55%</b>	<b>16</b>	<b>8%</b>	<b>154</b>	<b>77.0%</b>

## Primary Source of Full-Time Job Acceptances (School-facilitated and Graduate-facilitated)

**10%**

of accepted job offers, or 14 jobs, were directly Fuqua-facilitated. These jobs were found through direct alumni connections, campus interviews or job postings, or due to other direct introductions or events.

**90%**

of accepted job offers, or 124 jobs, were Graduate-facilitated. These jobs were found through networking, internet searches, job postings, third party recruiters, or other avenues, including indirect alumni contact.

<sup>3</sup> Job Offers reflect compensated full-time and short-term roles (20+ hours per week), as well as intern-to-full-time conversions.

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## Compensation Report<sup>5</sup>

SALARY	# Reporting	% Reporting <sup>6</sup>	Mean	Median	50 <sup>th</sup> to 75 <sup>th</sup> Percentile	Low	High
Permanent US Work Authorization	29	94%	\$91,821	\$85,000	\$85,000 – \$110,000	\$55,820	\$132,000
Temporary US Work Authorization	68	76%	\$89,985	\$88,000	\$88,000 – \$105,000	\$20,000	\$140,000
Total Graduates	97	80%	\$90,534	\$86,000	\$86,000 – \$106,000	\$20,000	\$140,000

STARTING/SIGNING BONUS	# Reporting	% Reporting <sup>7</sup>	Mean	Median	50 <sup>th</sup> to 75 <sup>th</sup> Percentile	Low	High
Permanent US Work Authorization	9	31%	\$8,722	\$9,000	\$9,000 – \$10,000	\$5,000	\$16,000
Temporary US Work Authorization	20	29%	\$7,535	\$5,000	\$5,000 – \$10,000	\$500	\$30,000
Total Graduates	29	30%	\$7,903	\$7,000	\$7,000 – \$10,000	\$500	\$30,000

<sup>5</sup> 154 graduates reported employment world-wide, comprising 138 full-time and 16 short-term jobs; 137 in the US and 17 offshore, of the latter, 15 in China. Two graduates accepted full-time jobs in Hong Kong. Compensation was reported for 97/121 of US full time jobs (80%) and 10/17 for offshore jobs; overall 107 of 138 (78%) full-time positions reported compensation. In the US, 39 graduates who accepted full-time roles reported successfully negotiating compensation beyond initial offer (32%).

<sup>6</sup> Percent of graduates with Permanent US Work Authorization reporting full-time \$US Salary = 29/31|94%; percent of grads with Temporary US Work Authorization reporting \$US salary = 68/90|76%. Percent of all US full-time employed graduates reporting \$US salary = 97|80%; 24 full-time employed graduates in the US did not report salary within 121 US-based full-time jobs. Excludes paid US contract roles and internships (3). Outside the US, 17 graduate full-time roles, 15|88% in China.

<sup>7</sup> Graduates with Permanent US Work Authorization reported = 9/29|31%; graduates with Temporary US Work Authorization reported = 20/68|29%. All graduates reporting US starting/signing bonus = 29/97|30% of 97 grads reporting compensation for 121 US-based full-time jobs.



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## Selected Employers and Titles by Track

Graduates joined 105 employers in the US and 16 offshore (\$). Seven US employers hired more than one graduate.

**Finance Track** (Senior) Business Analyst, Financial Analyst, Business Intelligence Analyst, IT Risk Analyst, Portfolio Management Analyst, Credit Risk Associate, Data Scientist, Equity Research Associate

<i>All Options</i>	<i>Amazon</i>	<i>AMC Networks, Inc.</i>	<i>American Express</i>	<i>Amruta, Inc.</i>	<i>Capital One</i>
<i>Deloitte Services</i>	<i>DoorDash, Inc.</i>	<i>Employers Health</i>	<i>Fidelity Investments</i>	<i>Granite Telecommunications</i>	<i>INVESCO</i>
<i>May Davis Partners</i>	<i>Novartis</i>	<i>PwC §</i>	<i>RBC (Royal Bank of Canada)</i>	<i>Resurgent Capital Services</i>	<i>Santander Bank</i>
<i>Tata Consultancy Services</i>	<i>T-Mobile USA</i>	<i>US Bitcoin Corp</i>	<i>Viably Capital</i>	<i>Volvo Group North America</i>	<i>ZS Associates</i>

**Forensics Track** Staff Accountant, Financial Analyst, Senior Business Analyst, Tax Consultant, Risk and Strategy Analyst, Audit Associate, Senior Operations Analyst, Manager, FP&A, Quantitative Tax Analyst, Business Planner, Data Analyst Credit Card, Data Scientist

<i>Bridgetower</i>	<i>Capital One</i>	<i>Citi</i>	<i>Deloitte Advisory</i>	<i>First Citizens Bank</i>	<i>JP Morgan Chase</i>
<i>Metropolitan Partners Group</i>	<i>NextEra Energy, Inc.</i>	<i>Nomura</i>	<i>Huachuang Securities §</i>	<i>The Bank of New York Mellon</i>	<i>Walmart</i>

**Marketing Track** Business Strategy Analyst, Data Analyst, Senior Business Analyst, Senior Data Analyst, Market Insights Analyst, Data Scientist, Business Analyst, Business Intelligence Analyst, Senior Technical Analyst

<i>American Credit Acceptance</i>	<i>Axtria</i>	<i>Brainlabs</i>	<i>Capital One</i>	<i>Ericsson Worldwide</i>	<i>Fidelity Investments</i>
<i>Ingersoll Rand</i>	<i>IQVIA</i>	<i>JP Morgan Chase</i>	<i>Mars Pet Care</i>	<i>Morgan Stanley</i>	<i>Oliver Wyman</i>
<i>Plymouth Rock Assurance</i>	<i>Royal Caribbean Cruises</i>	<i>Uber</i>	<i>Walgreens</i>	<i>Walmart</i>	<i>Wayfair</i>

**Strategy Track** Data Engineer, Data Scientist, Human Resources Analyst, Senior Analyst-Supply Chain Analytics, Business Intelligence Analyst, Product Data Analyst, Digital Marketing Manager, Financial Analyst, Senior Analyst, Strategic Insights, Senior Data Analyst, Advanced Analytics Manager

<i>Aimpoint Digital</i>	<i>Ally Financial</i>	<i>Bank of America</i>	<i>Chicago Transit Authority</i>	<i>DaVita</i>	<i>Dell, Inc.</i>
<i>Gilead Sciences</i>	<i>Global Endowment Management</i>	<i>Hard Rock Digital</i>	<i>HCA Healthcare</i>	<i>Human Made Machine</i>	<i>iCapital Network</i>
<i>Jinko Power §</i>	<i>KPMG LLP §</i>	<i>Major League Baseball</i>	<i>MasterCraft</i>	<i>MicroPort §</i>	<i>Oaktree Capital Management</i>
<i>Prometheus Group</i>	<i>Stanley Black &amp; Decker</i>	<i>Staples, Inc.</i>	<i>Terminix</i>	<i>Vanguard</i>	<i>Walmart</i>

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## Employers Hiring Multiple Graduates

Seven of the 105 US employers hired multiple graduates from the MQM Class of 2023. Outside the US, sixteen companies hired 17 graduates.

Employers – US
<b>Hiring five to nine:</b> Capital One (5)
<b>Hiring four graduates:</b> Walmart
<b>Hiring two graduates:</b> Aimpoint Digital, Fidelity Investments, JP Morgan Chase, May Davis Partners, Plymouth Rock Assurance

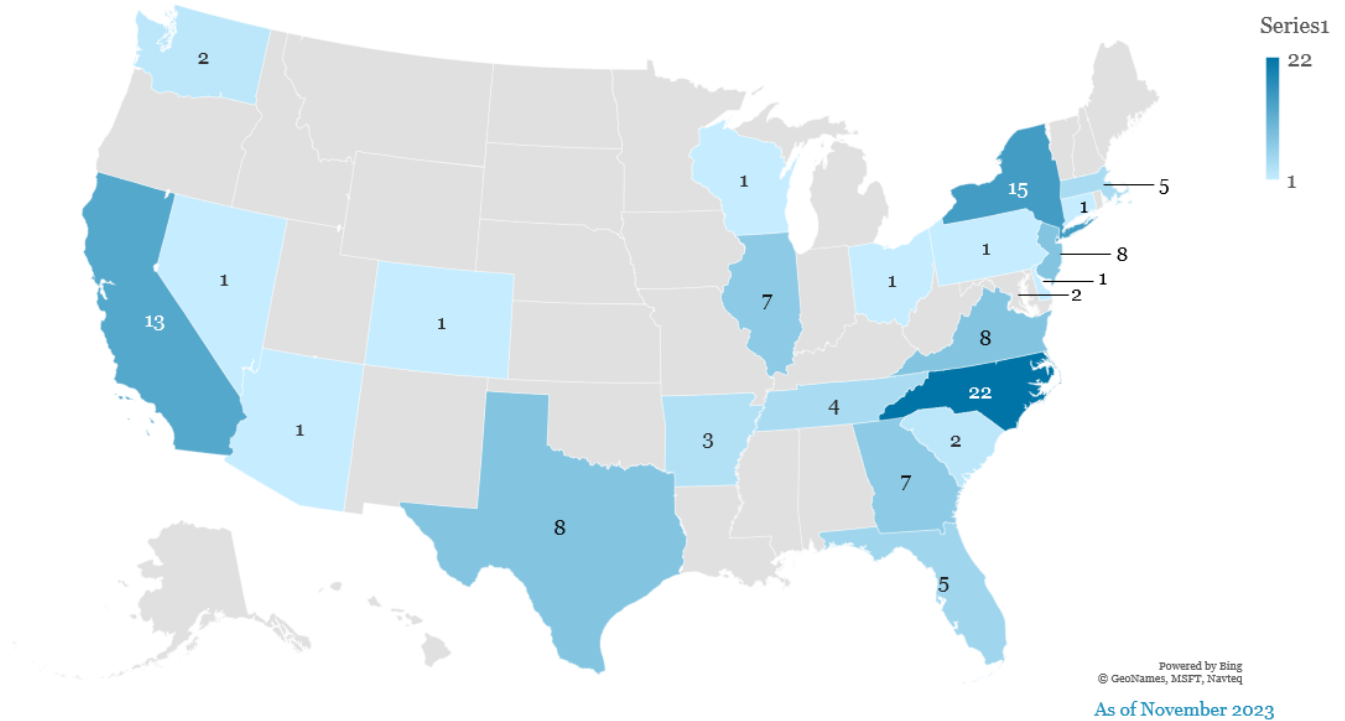
## MQM Employment by Geography

### US (n=118)

Northeast (29|25%) – Mid-Atlantic (11|9%) – South (43|36%) – Midwest (9|8%) – Southwest (10|8%) – West (16|14%)

### Offshore (n=17)

China (15|88%) – Hong Kong (2|12%)





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## Selected Employment Sectors by Track

FINANCE TRACK	FORENSICS TRACK	MARKETING TRACK	STRATEGY TRACK
Consulting: Analytics, Technology	Accounting & Audit Services	Automotive	Consulting: Analytics, Healthcare, Technology
Financial: Asset Management, Commercial Banking, Research & Ratings	Consulting: Healthcare	Consulting: Analytics, Strategic/Management, Technology	Financial: Commercial Banking,
Manufacturing	Energy/Utilities	Consumer Goods	Healthcare: Biotechnology, IT, Medical Devices
Pharmaceutical	Financial: Asset Management, Commercial Banking, Insurance	Energy/Utilities	Pharmaceutical
Real Estate	Healthcare	Financial: Commercial Banking, Insurance, Other	Sports/Recreation
Technology: Equipment/Hardware/Networking, Internet Services	Hospitality/Tourism	Healthcare	Tech: Multimedia, Software
Telecom	Real Estate	Tech: Internet/E-Commerce, Software	Transportation/Logistics

## Selected Employment Functions by Track

FINANCE TRACK	FORENSICS TRACK	MARKETING TRACK	STRATEGY TRACK
Consulting: IT/Systems	Accounting: Internal Audit, Other	Consulting: Analytics, Management	Consulting: Analytics, IT Systems, Management
Enterprise Analytics: Finance, Fraud/Risk/Compliance, Strategy	Consulting: Operations/Process	Enterprise Analytics: Strategy	Enterprise Analytics: Finance, General Management, Marketing, Sales, Strategy
Finance/Accounting: Accounting/Auditing, Data Science, Investment Banking, Portfolio Management, Research, Sales and Trading	Enterprise Analytics: Fraud/Risk/Compliance	Finance/Accounting: Corporate Finance, Data Science, Sales and Trading	Finance/Accounting: Corporate Finance, Data Science / Business Analytics
General Management: Data Science	Finance/Accounting: Corporate Finance, Data Science / Business Analytics, Investment Management	General Management: Analytics/Data Science	General Management: Business Development, Analytics, Internal Consulting, Project Management
Information Technology: Data Science or Business Intelligence	Information Technology: Data Science or Business Intelligence	Marketing/Sales: Business Analytics / Business Intelligence, Pricing	Information Technology: Data Science/Business Analytics
Marketing: Business Analytics	Operations/Logistics	Operations/Logistics: Data Science, Supply Chain	Information Technology: Data Science/Business Analytics

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