MASTER OF SCIENCE IN ANALYTICS

Benchmarking Student Outcomes

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MSA student outcomes are benchmarked against three categories of comparable graduate degree programs:

- Three top-ranked one-year quantitatively oriented programs at prestigious institutions with similar cohort sizes to the MSA, over the past 4 years:
  
  Carnegie Mellon – Master of Information Systems Management
  MIT – Master of Finance
  UC Berkeley – Master of Financial Engineering

- Five of the highest-ranked MBA programs at public universities with similar cohort sizes (60-120 students) to MSA:

  Arizona State University
  Georgia Tech
  Ohio State University
  University of Minnesota
  University of Washington
Average Base Salary (candidates with experience)

<table>
<thead>
<tr>
<th>Year</th>
<th>MISM</th>
<th>MSA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>$80,000</td>
<td>$70,000</td>
</tr>
<tr>
<td>2012</td>
<td>$90,000</td>
<td>$80,000</td>
</tr>
<tr>
<td>2013</td>
<td>$100,000</td>
<td>$90,000</td>
</tr>
<tr>
<td>2014</td>
<td>$110,000</td>
<td>$100,000</td>
</tr>
</tbody>
</table>

Job Placement (within 60-days of graduation)

- 2011: 90% (MISM), 50% (MSA)
- 2012: 90% (MISM), 50% (MSA)
- 2013: 90% (MISM), 50% (MSA)
- 2014: 100% (MISM), 70% (MSA)

Source of MISM data from program website. MISM data based on May graduates (the cohort with prior work experience) compared with salary data for MSA graduates with 3 or more years of work experience.

Carnegie Mellon University, Master of Information Systems Management Employment Report
Master of Finance (MFIN)  
Massachusetts Institute of Technology

Average Base Salary

- MFIN
- MSA

Job Placement (90-days after graduation)

Source of MFIN data from program website. MFIN placement data is available only for 90-days after graduation. Placement percent is based on job acceptances.

MIT Master of Finance Employment Report, Sloan School of Management
Master of Finance Engineering (MFE)
University of California–Berkeley

Average Base Salary

<table>
<thead>
<tr>
<th>Year</th>
<th>MFE</th>
<th>MSA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>$80,000</td>
<td>$80,000</td>
</tr>
<tr>
<td>2012</td>
<td>$90,000</td>
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<td>$90,000</td>
</tr>
<tr>
<td>2014</td>
<td>$110,000</td>
<td>$100,000</td>
</tr>
</tbody>
</table>

Job Placement (90-days after graduation)

Source of MFE data from program website. MFE placement rate is not identified as to whether it is at graduation or 90-days after graduation, which is assumed here.

Berkeley Master of Financial Engineering Employment Report, Haas School of Business
<table>
<thead>
<tr>
<th></th>
<th>MSA</th>
<th>MISM</th>
<th>MFIN</th>
<th>MFE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrolled students</td>
<td>86</td>
<td>61 (a)</td>
<td>127</td>
<td>67</td>
</tr>
<tr>
<td>US citizens</td>
<td>85%</td>
<td>17% (a)</td>
<td>14%</td>
<td>16% (d)</td>
</tr>
<tr>
<td>Women</td>
<td>40%</td>
<td>37% (a)</td>
<td>44%</td>
<td>19%</td>
</tr>
<tr>
<td>Average age</td>
<td>27</td>
<td>n.a.</td>
<td>n.a.</td>
<td>27</td>
</tr>
<tr>
<td>Acceptance rate</td>
<td>13%</td>
<td>n.a.</td>
<td>12% (e)</td>
<td>22%</td>
</tr>
<tr>
<td>Average base salary</td>
<td>$96,300</td>
<td>$95,053</td>
<td>$75,255</td>
<td>$100,300</td>
</tr>
<tr>
<td>Job placement rate</td>
<td>100%</td>
<td>82% (b)</td>
<td>81% (c)</td>
<td>95%</td>
</tr>
<tr>
<td>Cost of degree (2014)</td>
<td>$23,500 / $40,800</td>
<td>$63,300</td>
<td>$75,250</td>
<td>$61,700</td>
</tr>
</tbody>
</table>

Admissions data based on most recently reported incoming class. Placement data based on most recently reported graduating class.

(a) 3-year averages
(b) survey based on 84% reporting
(c) placement 90-days after graduation
(d) estimate based on country of undergraduate institution
(e) estimate based on 1583 applications (last known published data)
Top MBA programs at public universities ranked by U.S. News in 2015:

1. University of California–Berkeley (#7 in overall ranking)
2. University of Virginia (#10)
3. University of Michigan–Ann Arbor (#11)
4. University of California–Los Angeles (#16)
5. University of Texas–Austin (#17)
6. University of North Carolina–Chapel Hill (#18)
7. Indiana University (#21)
8. University of Washington (#23)
9. University of Minnesota (#27)
10. Arizona State University (#30)
11. Georgia Institute of Technology (#30)
12. Ohio State University (#30)
TOP MBA PROGRAM – ADMISSIONS
(The 5 highest ranking full-time MBA programs with similar cohort size to MSA)

Applicants

Acceptance Rate


Arizona State (ASU)
Georgia Tech (GT)
Minnesota (UMN)
Ohio State (OSU)
Washington (UW)
TOP MBA PROGRAM – ADMISSIONS
(The 5 highest ranking full-time MBA programs with similar cohort size to MSA)

TOP MBA PROGRAM – ADMISSIONS
(The 5 highest ranking full-time MBA programs with similar cohort size to MSA)

Average Work Experience

<table>
<thead>
<tr>
<th>Months</th>
<th>UW</th>
<th>ASU</th>
<th>UMN</th>
<th>GT</th>
<th>OSU</th>
<th>MSA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>70</td>
<td>80</td>
<td>60</td>
<td>65</td>
<td>55</td>
<td>40</td>
</tr>
</tbody>
</table>

Students with Prior Work Experience

<table>
<thead>
<tr>
<th>Percentage</th>
<th>MSA</th>
<th>ASU</th>
<th>OSU</th>
<th>UMN</th>
<th>GT</th>
<th>UW</th>
</tr>
</thead>
<tbody>
<tr>
<td>80%</td>
<td>80</td>
<td>85</td>
<td>90</td>
<td>95</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

TOP MBA PROGRAM – ADMISSIONS
(The 5 highest ranking full-time MBA programs with similar cohort size to MSA)

Average Age at Entry

Undergraduate GPA


Arizona State (ASU)
Georgia Tech (GT)
Minnesota (UMN)
Ohio State (OSU)
Washington (UW)
TOP MBA PROGRAMS – STUDENT OUTCOMES
(The 5 highest ranking full-time MBA programs with similar cohort size to MSA)

MSA data based on experienced candidates.
TOP MBA PROGRAMS – STUDENT OUTCOMES
(The 5 highest ranking full-time MBA programs with similar cohort size to MSA)


Arizona State (ASU)
Georgia Tech (GT)
Minnesota (UMN)
Ohio State (OSU)
Washington (UW)
TOP MBA PROGRAMS – TOTAL COST OF TUITION
(The 5 highest ranking full-time MBA programs with similar cohort size to MSA)

TOP MBA PROGRAMS – STUDENT DEBT
(The 5 highest ranking full-time MBA programs with similar cohort size to MSA)

Average Indebtedness

Graduates with Debt


Arizona State (ASU)
Georgia Tech (GT)
Minnesota (UMN)
Ohio State (OSU)
Washington (UW)
TOP MBA PROGRAMS – PAYBACK PERIOD
(The 4 highest ranking full-time MBA programs with similar cohort size to MSA)

Resident

Payback period (months) = \[
\frac{((\text{Pre-Salary} + \text{Tuition}) \times \text{Duration}) - (\text{Signing Bonus} + \text{Summer Salary})}{(\text{Post-Salary} - \text{Pre-Salary})} \times 12
\]

Non-Resident

Source of MBA data: *US News and World Report*, March 2015. The MBA duration is 2 years. The average pre-MBA salary is estimated conservatively at $55,000/year. The average summer intern salary is estimated at 1/6th of the post-MBA salary.
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