# B.S. in Technical Management
# Student Achievement Data

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# Metric 1 – Peregrine External Exam Results

# Stakeholders: Current Students, Future Students, and Faculty

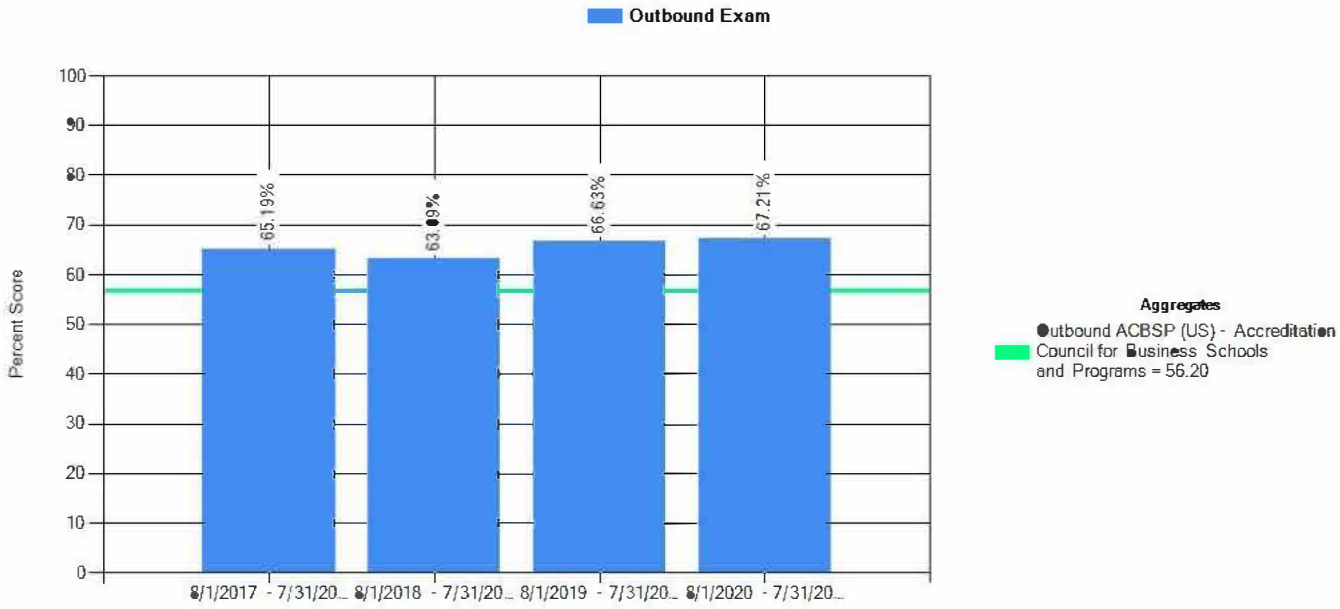
PEREGRINE
GLOBAL SERVICES
ACADEMIC SERVICES

# Longitudinal Analysis Report

## Embry-Riddle Aeronautical University - Worldwide Campus

Time Span 1: 8/1/2017 - 7/31/2018
Total Tests = 414
Outbound = 414
Time Span 2: 8/1/2018 - 7/31/2019
Total Tests = 374
Outbound = 374
Time Span 3: 8/1/2019 - 7/31/2020
Total Tests = 428
Outbound = 428
Time Span 4: 8/1/2020 - 7/31/2021
Total Tests = 536
Outbound = 536
Total n = 1752 tests.
Academic Level: Bachelors
Aggregate: ACBSP (US) - Accreditation Council for Business Schools and Programs
Course
Outbound: Strategic Management - 436

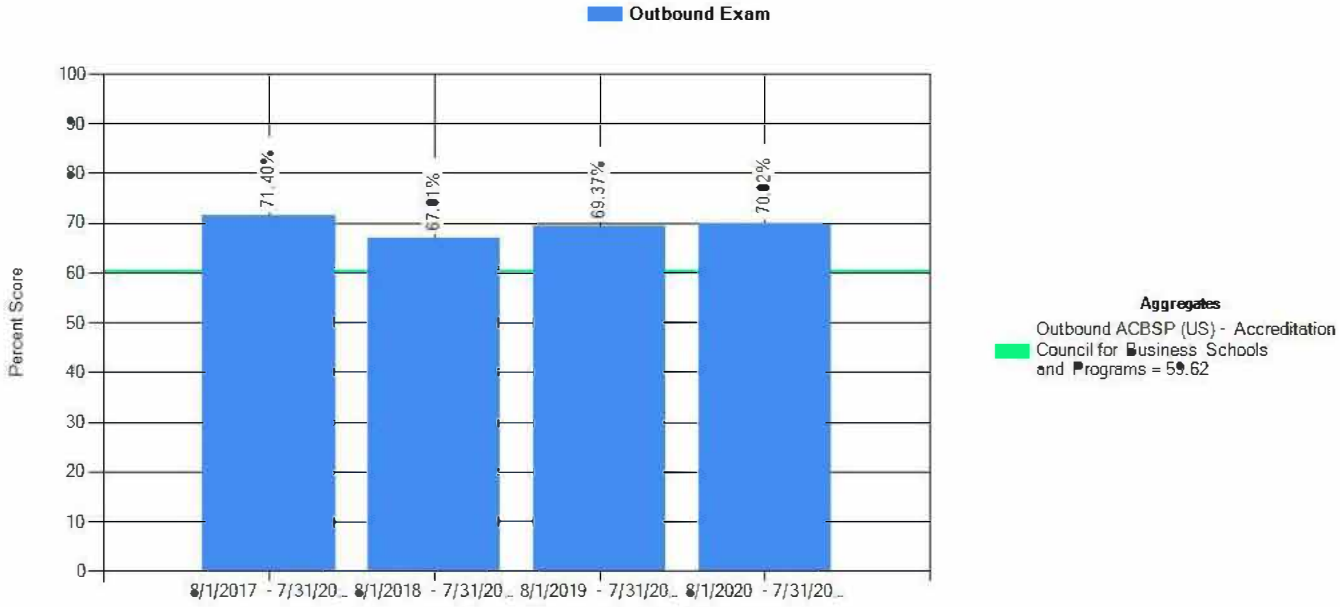
# Longitudinal Comparison: Total




Longitudinal Comparison: Total

| Date Range | Counts |
|---|---|
| 8/1/2017 - 7/31/2018 | 414 |
| 8/1/2018 - 7/31/2019 | 374 |
| 8/1/2019 - 7/31/2020 | 428 |
| 8/1/2020 - 7/31/2021 | 536 |

# Longitudinal Comparison: Business Integration and Strategic Management




Longitudinal Comparison: Business Integration and Strategic Management

| Date Range | Counts |
|---|---|
| 8/1/2017 - 7/31/2018 | 414 |
| 8/1/2018 - 7/31/2019 | 374 |
| 8/1/2019 - 7/31/2020 | 428 |
| 8/1/2020 - 7/31/2021 | 536 |

# Metric 2 – Alumni Placement

## Stakeholders: Alumni, Current Students, Future Students, Industry

# Embry-Riddle Aeronautical University
# Alumni Placement Rates
# One Year After Graduation
# Worldwide Campus - Undergraduate Degrees

| Year of Graduation | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|---|---|---|---|---|
| **COLLEGE OF ARTS & SCIENCES** | | | | | |
| **Emergency Services/ Fire Science (B)** | **(3)** | * | * | **(3)** | **(6)** |
| Effective Placement Rate | 100.0% | | | 100.0% ** | 83.3% ** |
| Employment Rate | 66.7% | | | 100.0% ** | 83.3% ** |
| Continuing Education Rate | 33.3% | | | 0.0% ** | 0.0% ** |
| **Homeland Security (B)** | * | * | * | * | **(3)** |
| Effective Placement Rate | | | | | 100.0% ** |
| Employment Rate | | | | | 100.0% ** |
| Continuing Education Rate | | | | | 0.0% ** |
| **Interdisciplinary Studies (B)** | * | * | * | **(7)** | **(9)** |
| Effective Placement Rate | | | | 87.5% ** | 88.9% ** |
| Employment Rate | | | | 87.5% ** | 77.8% ** |
| Continuing Education Rate | | | | 0.0% ** | 11.1% ** |
| **COLLEGE OF AERONAUTICS** | | | | | |
| **Aeronautics/ Professional Aeronautics (A)** | **(96)** | **(91)** | **(110)** | **(122)** | **(109)** |
| Effective Placement Rate | 97.9% | 98.9% | 95.5% ** | 92.6% ** | 91.7% ** |
| Employment Rate | 92.7% | 94.5% | 90.0% ** | 88.5% ** | 85.4% ** |
| Continuing Education Rate | 5.2% | 4.4% | 5.5% ** | 4.1% ** | 6.4% ** |
| **Aeronautics / Professional Aeronautics (B)** | **(348)** | **(320)** | **(322)** | **(265)** | **(346)** |
| Effective Placement Rate | 97.7% | 95.9% | 93.8% ** | 92.1% ** | 91.0% ** |
| Employment Rate | 95.4% | 93.8% | 89.8% ** | 90.2% ** | 87.0% ** |
| Continuing Education Rate | 2.3% | 2.2% | 4.0% ** | 1.9% ** | 4.0% ** |

Notes:

- ( ) Number of Respondents
- The effective placement rate consists of the employment rate (working full-time, part-time, military) plus the continuing education rate (out of the work force due to continuing education).

* Too few respondents to report.

** A significant change to the survey instructions was implemented beginning with the Class of 2017:

- Degree completion dates were piped into the survey, and respondents asked to provide their employment status exactly one year post-graduation. This change allows for more accurate calculation of one year placement and employment rates. Exercise caution when making cohort comparisons.

- A significant change to the University's rate calculations was implemented with the Class of 2017. Previously removed, alumni indicating “out of the workforce due to other reasons” are now included in all calculations and are labeled as “Not Seeking.” This change aligns the University's placement and employment rates with the standards proposed by the National Association of Colleges and Employers (NACE) This new calculation will necessarily result in lower rates than the previous formula, but ERAU rates will be more comparable to those reported by institutions adhering to the NACE standards.

SOURCE: Worldwide Alumni Survey: One Year After Graduation. Institutional Research.



Last Updated on 8/25/2021

| | | | | | |
|---|---|---|---|---|---|
| **Aviation Maintenance (A)** | **(38)** | **(30)** | **(33)** | **(25)** | **(24)** |
| Effective Placement Rate | 97.4% | 96.7% | 100.0% ** | 92.0% ** | 91.7% ** |
| Employment Rate | 92.1% | 93.3% | 100.0% ** | 88.0% ** | 87.5% ** |
| Continuing Education Rate | 5.3% | 3.3% | 0.0% ** | 4.0% ** | 4.2% ** |
| | | | | | |
| **Aviation Maintenance (B)** | **(37)** | **(35)** | **(43)** | **(33)** | **(22)** |
| Effective Placement Rate | 100.0% | 97.1% | 97.7% ** | 93.9% ** | 100.0% ** |
| Employment Rate | 100.0% | 97.1% | 97.7% ** | 90.9% ** | 95.5% ** |
| Continuing Education Rate | 0.0% | 0.0% | 0.0% ** | 3.0% ** | 4.5% ** |
| | | | | | |
| **Engineering Fundamentals (A)** | * | * | * | * | **(5)** |
| Effective Placement Rate | | | | | 100.0% ** |
| Employment Rate | | | | | 100.0% ** |
| Continuing Education Rate | | | | | 0.0% ** |
| | | | | | |
| **Engineering Technology (B)** | * | * | **(3)** | **(5)** | **(7)** |
| Effective Placement Rate | | | 100.0% ** | 80.0% ** | 100.0% ** |
| Employment Rate | | | 66.7% ** | 60.0% ** | 100.0% ** |
| Continuing Education Rate | | | 33.3% ** | 20.0% ** | 0.0% ** |

## COLLEGE OF BUSINESS

| | | | | | |
|---|---|---|---|---|---|
| **Aviation Business Administration (A)** | **(16)** | **(13)** | **(16)** | **(11)** | **(10)** |
| Effective Placement Rate | 100.0% | 100.0% | 100.0% ** | 90.9% ** | 70.0% ** |
| Employment Rate | 100.0% | 100.0% | 100.0% ** | 81.8% ** | 70.0% ** |
| Continuing Education Rate | 0.0% | 0.0% | 0.0% ** | 9.1% ** | 0.0% ** |
| | | | | | |
| **Aviation Business Administration (B)** | **(20)** | **(33)** | **(35)** | **(29)** | **(29)** |
| Effective Placement Rate | 95.0% | 90.9% | 85.4% ** | 93.1% ** | 93.1% ** |
| Employment Rate | 95.0% | 90.9% | 85.4% ** | 89.7% ** | 82.8% ** |
| Continuing Education Rate | 0.0% | 0.0% | 0.0% ** | 3.4% ** | 10.3% ** |

Notes:

- ( ) Number of Respondents
- The effective placement rate consists of the employment rate (working full-time, part-time, military) plus the continuing education rate (out of the work force due to continuing education).

* Too few respondents to report.

** A significant change to the survey instructions was implemented beginning with the Class of 2017:

- Degree completion dates were piped into the survey, and respondents asked to provide their employment status exactly one year post-graduation. This change allows for more accurate calculation of one year placement and employment rates. Exercise caution when making cohort comparisons.

- A significant change to the University's rate calculations was implemented with the Class of 2017. Previously removed, alumni indicating “out of the workforce due to other reasons” are now included in all calculations and are labeled as “Not Seeking.” This change aligns the University's placement and employment rates with the standards proposed by the National Association of Colleges and Employers (NACE) This new calculation will necessarily result in lower rates than the previous formula, but ERAU rates will be more comparable to those reported by institutions adhering to the NACE standards.

SOURCE: Worldwide Alumni Survey: One Year After Graduation. Institutional Research.

| | | | | | |
|---|---|---|---|---|---|
| **Logistics & Supply Chain Management (B)** | * | * | * | **(10)** | **(16)** |
| Effective Placement Rate | | | | 90.0% ** | 87.5% ** |
| Employment Rate | | | | 90.0% ** | 87.5% ** |
| Continuing Education Rate | | | | 0.0% ** | 0.0% ** |
| **Project Management (B)** | * | * | * | **(5)** | **(15)** |
| Effective Placement Rate | | | | 100.0% ** | 93.3% ** |
| Employment Rate | | | | 80.0% ** | 93.3% ** |
| Continuing Education Rate | | | | 20.0% ** | 0.0% ** |
| **Technical Management (A)** | **(31)** | **(30)** | **(38)** | **(26)** | **(17)** |
| Effective Placement Rate | 96.8% | 90.0% | 97.6% ** | 100.0% ** | 100.0% ** |
| Employment Rate | 90.3% | 90.0% | 90.5% ** | 100.0% ** | 94.1% ** |
| Continuing Education Rate | 6.5% | 0.0% | 7.1% ** | 0.0% ** | 5.9% ** |
| **Technical Management (B)** | **(132)** | **(132)** | **(131)** | **(79)** | **(94)** |
| Effective Placement Rate | 96.2% | 97.0% | 93.0% ** | 86.1% ** | 90.4% ** |
| Employment Rate | 95.5% | 93.2% | 92.3% ** | 84.8% ** | 87.2% ** |
| Continuing Education Rate | 0.8% | 3.8% | 70.0% ** | 1.3% ** | 3.2% ** |
| **Transportation (B)** | * | **(3)** | * | **(4)** | * |
| Effective Placement Rate | | 100.0% | | 50.0% ** | |
| Employment Rate | | 100.0% | | 50.0% ** | |
| Continuing Education Rate | | 0.0% | | 0.0% ** | |

Notes:

- ( ) Number of Respondents
- The effective placement rate consists of the employment rate (working full-time, part-time, military) plus the continuing education rate (out of the work force due to continuing education).

* Too few respondents to report.

** A significant change to the survey instructions was implemented beginning with the Class of 2017:

- Degree completion dates were piped into the survey, and respondents asked to provide their employment status exactly one year post-graduation. This change allows for more accurate calculation of one year placement and employment rates. Exercise caution when making cohort comparisons.

- A significant change to the University's rate calculations was implemented with the Class of 2017. Previously removed, alumni indicating “out of the workforce due to other reasons” are now included in all calculations and are labeled as “Not Seeking.” This change aligns the University's placement and employment rates with the standards proposed by the National Association of Colleges and Employers (NACE) This new calculation will necessarily result in lower rates than the previous formula, but ERAU rates will be more comparable to those reported by institutions adhering to the NACE standards.

SOURCE: Worldwide Alumni Survey: One Year After Graduation. Institutional Research.

# Metric 3 – Program Outcome Skills Preparedness

## Stakeholders: Alumni, Current Students, Future Students, Industry

**Program-specific Skills: ERAU's preparation**
**BS Technical Management - Worldwide**

| | M | n | Very High Preparation | | High Preparation | | Little Preparation | | Very Little Preparation | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | # | % | # | % | # | % | # | % |
| Employ supervisory and management skills needed to effectively lead and support others within a team environment across business functions | 3.3 | 51 | 20 | 39.2% | 25 | 49.0% | 6 | 11.8% | 0 | 0.0% |
| Apply research to solve business problems and communicate the results effectively | 3.3 | 50 | 19 | 38.0% | 26 | 52.0% | 5 | 10.0% | 0 | 0.0% |
| Analyze and evaluate business functions and processes, identify needs, and structure business approaches using problem-solving, critical thinking, and established methodologies and standards | 3.4 | 50 | 22 | 44.0% | 24 | 48.0% | 4 | 8.0% | 0 | 0.0% |
| Know key principles of business and management disciplines and their business applications; and the possible interrelationships to technical management practices especially in the field of aviation and aerospace | 3.4 | 50 | 23 | 46.0% | 23 | 46.0% | 3 | 6.0% | 1 | 2.0% |
| Demonstrate a proficiency in identifying and solving problems related to the specialty areas of Information Systems, Information Security, Project Management, Logistics and Supply ChainManagement, Engineering Science, or Occupational Safety and Health know | 3.4 | 50 | 26 | 52.0% | 19 | 38.0% | 4 | 8.0% | 1 | 2.0% |
| Apply strategic and project planning principles and techniques in a technical operation | 3.3 | 44 | 16 | 36.4% | 23 | 52.3% | 5 | 11.4% | 0 | 0.0% |
| Use general managerial skills (leadership, problem solving, and decision-making) | 3.3 | 44 | 19 | 43.2% | 21 | 47.7% | 3 | 6.8% | 1 | 2.3% |
| Use managerial skills in computers | 3.0 | 44 | 13 | 29.5% | 22 | 50.0% | 7 | 15.9% | 2 | 4.5% |
| Use managerial skills in technical writing | 3.1 | 44 | 14 | 31.8% | 23 | 52.3% | 6 | 13.6% | 1 | 2.3% |
| Use managerial skills in quantitative/mathematics | 2.9 | 44 | 10 | 22.7% | 21 | 47.7% | 10 | 22.7% | 3 | 6.8% |

*SOURCE: 2020 Worldwide Alumni Survey: One Year after Graduation. Class of 2018. (4-Very High Preparation, 3-High Preparation, 2-Little Preparation, 1-Very Little Preparation). Institutional Research (2020).*