Workshop Measuring Impact
ASEE Benchmarking Surveys

American Society for Engineering Education

Department of Assessment, Evaluation, and Institutional Research

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AEIR

DEPARTMENT OF
ASSESSMENT, EVALUATION
& INSTITUTIONAL RESEARCH

AEIR conducts extensive research on diverse issues in STEM education and carries out both grant-funded and contract-based program evaluation activities, aligned with ASEE's core missions and values.

ASEE Benchmarking Surveys

Profiles of Engineering and Engineering Technology Colleges

ASEE Faculty Salary Survey

Undergraduate Engineering Retention Survey

What is Profiles of Engineering and Engineering Technology Colleges Survey?

This survey collects data annually from ABET-accredited US and Canadian engineering schools on programs and degrees offered; program personnel; admission requirements; faculty counts; and enrollment, graduation, and expenses for both undergraduate and graduate students.

Why does ASEE collect this data?

ASEE publishes this data in the form of a directory, which allows both students and administrators to compare schools using a range of characteristics from location and degrees offered to student expenses and enrollment information.
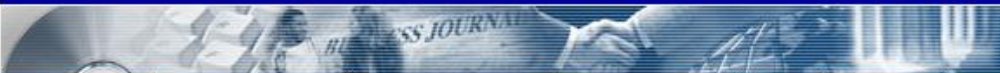
Does it cost to participate?

Yes. The fee also covers the cost of a hard copy of the Profiles directory and one year access to ASEE Data Management System, an interactive, longitudinal database tracking college profiles information since 1998.

Currently 360 schools participate in this survey.

http://www.asee.org/profiles

Important Dates:
Survey opens: September
Survey closes: December

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::: Apps For quick access, place your bookmarks here on the bookmarks bar. Import bookmarks now...

ENGINEERING DATA MANAGEMENT SYSTEM

| HOME | QUICK QUERY | MANAGE GROUPS | MANAGE REPORTS | RUN REPORT | USERS | SETTINGS | EMAILS | AUDITS |

Run Reports

1 Select Report

Choose either "My reports" or "ASEE-created reports", then select the report to use from the drop-down menu.

○ My reports ▼

◉ ASEE-created reports Bachelor's Degrees ▼

2 Select Group

Choose either "My groups" or "ASEE-created groups", then select the group to use for the report from the drop-down menu.

◉ My groups All U.S. Engineering Schools ▼

○ ASEE-created groups Regional ▼

3 Select Year(s)

Choose the year(s) for which you would like to run the report.

ENGINEERING DATA MANAGEMENT SYSTEM

Download CSV

Edit Report

IPEDS UnitID	Year	Discipline	School	Af_Amer M Bachelor's	Af_Amer F Bachelor's	As_Amer M Bachelor's	As_Amer F Bachelor's	Hisp M Bachelor's	Hisp F Bachelor's
200800	2014	Aerospace Engineering	The University of Akron	0	0	0	0	1	0
100751	2014	Aerospace Engineering	The University of Alabama	2	0	0	0	1	0
100706	2014	Aerospace Engineering	The University of Alabama in Huntsville	0	0	0	0	1	1
104179	2014	Aerospace Engineering	University of Arizona	0	0	0	0	5	1
104151	2014	Aerospace Engineering	Arizona State University	1	0	1	3	13	4
100858	2014	Aerospace Engineering	Auburn University	1	0	0	0	0	0
110404	2014	Aerospace Engineering	California Institute of Technology	0	0	0	0	0	0
110422	2014	Aerospace Engineering	California Polytechnic State University	0	0	11	2	17	3
110529	2014	Aerospace Engineering	California State Polytechnic University.	2	0	12	0	22	2

What is Faculty Salary Survey?

What salary Information does the survey collect?

Does it cost to participate?

At the request of the Engineering Deans Council, every year ASEE collects data on "real" faculty salaries from ABET-accredited engineering schools; the results are not skewed by salaries of Deans, Associate Deans, Department Chairs, and Associate Department Chairs.

ASEE collects data in the form of descriptive statistics (average, median, upper-lower quartiles, upper-lower deciles, and faculty counts) for equivalent 9-month salaries for junior lecturers, tenured or tenure-track assistant professors, associate professors, and full professors.

Yes. The fee covers the cost of a set of aggregated salary reports and one-year access to a longitudinal salary database, going back to 2007, from which participating schools may generate their own reports based on a set of schools they select.

Currently 180 schools participate in this survey.

Important Dates:
- Survey opens: November
- Survey closes: March

https://salarysurvey.asee.org/

ALL INSTITUTIONS

Departments	AVERAGE					Ju
	Junior Lecturer	Assistant	Associate	Full		Ju
Aerospace	$53,395	$88,438	$103,190	$141,654		
Agricultural	x	$80,348	$91,183	$125,321		
Architectural	x	x	x	x		
Biomedical	$74,158	$90,218	$106,588	$155,555		
Chemical	$73,059	$89,507	$103,403	$147,802		
Civil & Environmental	$65,073	$83,171	$97,437	$130,435		
Computer Science(inside engineering)	$68,515	$91,947	$104,486	$138,846		
Electrical & Computer	$72,667	$89,870	$102,276	$138,189		
Engineering(general)	$66,237	$80,408	$94,710	$122,488		
Engineering Management	x	$82,049	x	$131,988		
Engineering Science & Engineering Physics	x	x	$93,350	$115,255		
Engineering Technology	$63,226	$77,118	$87,596	$107,086		
Industrial & Manufacturing	$75,741	$85,609	$101,162	$135,262		
Mechanical	$72,210	$85,747	$97,712	$133,152		
Metallurgical& Materials	x	$90,589	$107,644	$153,024		
Mining	x	x	x	$138,781		
Nuclear	x	$89,903	$112,103	$151,755		
Petroleum	x	$90,287	$106,480	$144,613		
Other Engineering Disciplines	$76,283	$85,463	$98,116	$141,505		
Total College	$69,142	$86,978	$100,745	$135,827		

** An 'x' value represents insufficient data for that field. Please see website for more details

In what reporting formats can I view the data?

Two reports can be generated – at the national level or for a group of selected peer institutions.

- Longitudinal retention and Time-to-Graduation Report
- Yearly Interquartile Benchmark report

IMPORTANT DATES:
SURVEY OPENS: JUNE
SURVEY CLOSES: AUGUST

Why is ASEE conducting this survey?

Currently there is no national-level, public source of information for engineering retention rates and time-to-graduation. This data allows administrators to:

- Develop successful retention strategies;
- Have peer benchmarking metrics;
- Explore partnerships with institutions successfully retaining a diverse and high-performing student population.

Who can participate in this survey?

Colleges and universities with an ABET-accredited engineering program can participate in this survey.

Does it cost to participate?

No, but the participants will be given access to the reporting tools for a fee.

https://retention-survey.asee.org/

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retention-survey.asee.org/survey/participant/institutions/271/benchmarks

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Survey

Benchmarks

Contact Info

Instructions for Completing
Institution Profile (PDF)

Instructions for Generating
Benchmark Reports (PDF)

If you wish to explore national retention and time-to-graduation benchmarks based on ch
must select your desired cohort and then a school characteristic. You will then need to se
wish to view: Longitudinal Retention and Time-to-Graduation Benchmark Report or Year
Report. After you select the report, you can toggle between school characteristics using
the report.

Peer Group Benchmark

If you wish to create your own peer group, click "add peer group" and select the schools
your school against. Please note you must select at least 10 or more schools to display a
create your peer group, click the type of display and year. You will be able to view aggreg
your school's rank within your pre-selected peer group or the interquartile range of schoc
your school's rank within the pre-selected peer group. After you use a school to create a
may not include that school in another benchmark.

Peer Group Benchmark

Reporting on specific peer groups is available via a paid subscription. Purchase access t
known peer groups today.

National Benchmark

Select the criteria for a basic group to see a list of available reports

Cohort Type

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General Info

Glossary of Terms

Frequently Asked Questions

Institutional Profile

IPEDS Profile

Survey

Benchmarks

Contact Info

Instructions for Completing Institution Profile (PDF)

Instructions for Generating Benchmark Reports (PDF)

National Benchmark

Cohort Type: Freshmen

School Characteristics: Offers coop programs

Options

true
false

All

Freshman year at the institution	2002	2003	2004	2005	2006	2007	2008	2009	2010
Total head count	26225	26889	27018	34660	37666	39155	40522	41663	43033
Persisted to 2nd year	77.8%	78.2%	77.9%	77.3%	77.5%	78.2%	78.7%	78.8%	79.5%
Persisted to 3rd year	64.1%	64.9%	65.2%	65.0%	65.5%	66.1%	66.8%	67.0%	68.2%
Persisted to 4th year	58.8%	59.5%	60.1%	60.2%	60.8%	61.1%	62.0%	62.2%	63.9%
Degree attained within 4 years	25.5%	25.7%	26.6%	25.4%	26.4%	27.2%	27.9%	28.6%	30.1%
Persisted to 5th year	32.0%	32.9%	32.1%	35.8%	35.4%	35.1%	35.0%	37.5%	36.8%
Degree attained within 5 years	49.3%	49.6%	50.1%	50.9%	51.6%	52.0%	52.9%	53.6%	56.4%
Persisted to 6th year	8.3%	8.9%	8.6%	12.2%	12.3%	11.9%	13.5%	14.5%	[2
Degree attained	53.8%	54.2%	55.2%	55.9%	56.4%	56.8%	58.0%	58.0%	[2

articipant/institutions/271/benchmarks/basic_interquartile?actual=true&cohort_type_id=5&grouping=offer_coop_programs&selected_grouping_value=true&year=20

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Minimum	35.0%	29.2%	23.3%	1.1%	2.1%	10.8%	0.3%	13.5%	0.0%	19.2%	19.2%

Female - 6122 students included in this report

	Persisted to 2nd year	Persisted to 3rd year	Persisted to 4th year	Degree attained within 4 years	Persisted to 5th year	Degree attained within 5 years	Persisted to 6th year	Degree attained within 6 years	Persisted to 7th year	Degree attained within 7 years	Degree attained within 8 years
Maximum	100.0%	100.0%	100.0%	75.5%	90.9%	89.6%	100.0%	100.0%	80.0%	100.0%	100.0%
Upper decile	91.4%	82.8%	78.4%	58.0%	53.4%	74.4%	20.0%	76.8%	12.0%	78.2%	81.0%
Upper quartile	85.1%	75.4%	71.4%	37.6%	40.0%	63.3%	10.5%	66.7%	4.8%	66.8%	67.2%
Median	78.1%	64.3%	58.3%	25.9%	25.4%	49.3%	6.7%	53.1%	1.9%	55.6%	55.6%
Average	74.4%	62.2%	56.7%	28.6%	29.4%	49.4%	11.0%	54.1%	5.3%	55.5%	56.0%
Lower quartile	64.9%	50.0%	42.9%	15.0%	16.7%	38.1%	3.7%	43.3%	0.4%	43.5%	44.8%
Lower decile	53.7%	40.0%	33.3%	8.7%	9.1%	20.0%	2.0%	32.9%	0.0%	35.4%	35.4%
Minimum	35.3%	25.0%	12.5%	0.0%	0.0%	0.0%	0.0%	11.1%	0.0%	11.1%	11.1%

Hispanic / Latino - 1921 students included in this report

	Persisted to 2nd year	Persisted to 3rd year	Persisted to 4th year	Degree attained within 4	Persisted to 5th year	Degree attained within 5	Persisted to 6th year	Degree attained within 6	Persisted to 7th year	Degree attained within 7	Degree attained within 8

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Thank you!
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https://aeir.asee.org

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