

COMPOSTITION

ENGINEERING SCHOOLS

TEACHER CERTIFICATION **PROGRAMS**

MEDICAL SCHOOLS **LAW SCHOOLS**

EDUCATION 2017 Data

AAU universities make up only 2% of all 4-year universities in the U.S., yet award nearly 43% of all research doctorate degrees.***

AAU member

doctorate awarded by non-AAU member universities

BUSINESS SCHOOLS

SCHOOLS

PUBLIC UNIVERSITIES

SCHOOLS OF PUBLIC HEALT

LEADING RESEARCH UNIVERSITIES

% Degrees awarded by AAU universities



of all doctoral degrees in STEM and Social Sciences



18% of all undergrad degrees in STEM and Social Sciences

Founded in 1900, the Association of American Universities is composed of America's leading research universities. AAU's 65 research universities transform lives through education, research, and innovation. Our member universities earn the majority of competitively awarded federal funding for research that improves public health, seeks to address national challenges, and

of all doctoral degrees in Arts. Humanities. and Music



14% of all undergrad degrees in Arts. Humanities. and Music

ECONOMIC IMPACT



Technology license agreements in 2018



UNIVERSITIES

Total operational startups in 2018



contributes significantly to our economic strength, while educating and training tomorrow's visionary leaders and innovators.

NSTITUTIONS

Current Fortune 100 CEOs*

VALUE

LAND-GRANT

INSTITUTIONS



of students graduate within 6 years**

AAU students who graduate debt-free RESEARCH

Federal research dollars awarded in 2018

*CEOs who attended an AAU university as of 2019. **2018 graduation rate at AAU universities. ***Not including professional doctoral degrees



EMPLOYEES



780,060 **Total employees** at AAU universities in 2018

SALARIES



\$82.4 Billion

Total salaries paid by AAU universities in 2018

EMPLOYMENT



25 in Top 10

25 AAU universities were among the top 10 employers in their state as of 2018

ENTREPRENEURS



41 in Top 50

41 AAU universities were in the top 50 for producing venture capital backed entrepreneurs as of 2019

PATENTS



4,826

Patents issued in 2018

LICENSES



5,134

Technology license agreements in 2018

TOTAL STARTUPS



Cumulative operational startup companies formed as of 2018

STARTUPS IN 2018



Startup companies

formed in 2018

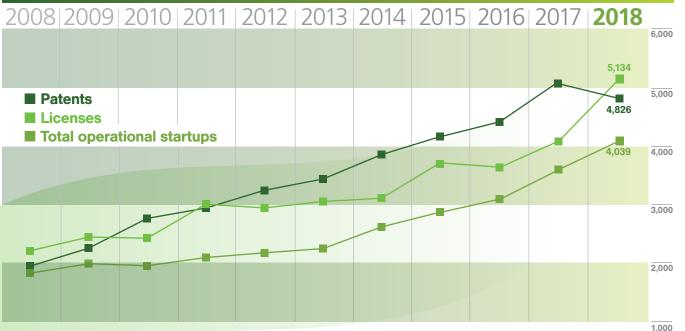
HOME STATE COS



Startup companies

created in home state in 2018

ECONOMIC IMPACT OVER TIME (2008–18)



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DEGREES AWARDED BY AAU UNIVERSITIES IN THE U.S. AS OF 2018



531,026 **Total Degrees**

59%

Physical

Sciences



31,132

Research Doctorates

RESEARCH DOCTORAL DEGREES in STEM out of National Total (2017)

58%

Engineering



Professional Practice or Other Doctorates

In 2017, AAU institutions awarded 50% of all research doctoral degrees and 18% of all undergraduate degrees in STEM and Social Sciences

54%

Math &

Computer

Sciences



166,155

Master's Degrees

BACHELOR DEGREES in STEM out of National Total (2017)

9% Math and Computer

14%

Life Sciences

21% Psychology & Social Sciences



307,831

Bachelor's Degrees

30%

Engineering

25%

GRADUATES OF AAU UNIVERSITIES



Governors in 2019



of Congress



Joint Chiefs of Staff in 2019



U.S. Presidents 1900-2019



All 9 current 9 **U.S. Supreme Court Justices**



Supreme Court Justices 1900-2019



Fortune 100 **CEOs in 2019**



STUDENTS AT AAU UNIVERSITIES IN 2018

46%

Life

Sciences



Undergraduates* **Undergraduates**



39%

Psychology

& Social

Sciences

21% of all Graduate Students* **Graduate Students**



Postdocs** 295 **Total Postdocs**

68% of all



International Students 388,485 International Students



Study Abroad Students

93,199 Study Abroad



Medical **Degrees** in 2019



Dental Degrees



Nursing Degrees

*For all U.S. 4-year institutions. **Number of Postdocs in 2017.



FEDERALLY FUNDED ACADEMIC RESEARCH AND DEVELOPMENT IN 2018*

Department of Agriculture	Department of Defense	Department of Energy	Department of Health and Human Services (including NIH)	National Aeronautics and Space Administration	National Science Foundation	Other Federal Departments and Agencies	Total federal R&D at AAU universities
\$25B							61%
\$20B							
\$15B			63%				
\$10B							
\$5B	67%	63%		66%	59%	48%	
\$438 Million	\$3.9 Billion	\$1.2 Billion	\$14.3 Billion	\$1.0 Billion	\$3.1 Billion	\$1.6 Billion	\$25.6 Billion

 $^{*}\%$ of total amount awarded to AAU universities / total dollar amount received by AAU universities

HONORS & AWARDS



Members of the **National Academies** at AAU universities



70% of all American Academy of Arts and Sciences Fellows

> 86 **Elected American Academy of Arts** and Sciences Fellows affiliated with **AAU** universities



89% of all National Academy of Inventors

56 **National Academy of** Inventors **Member Institutions**



38% of all winners are at AAU universities

NATIONAL MEDAL **OF TECHNOLOGY** & INNOVATION **78**%

78% of recipients are at AAU universities (of university winners)



73% of all awardees are affiliated with an AAU university

SCHOLARLY OUTPUT







*Thomson-Reuters InCites **2018 Academic Analytics

RESOURCES



research parks



65 startup and early stage technology investment programs



university accelerator programs



in institutional contributions to research and development



INSTITUTIONAL STUDENT GRANT AID IN 2018

TYPE OF AID \$1.99 Billion Institutional Grants \$2.0B In 2018. Federal Loans \$1.86 Billion Institutional Grant \$1.77 Billion Federal Grants Aid made up 73% of an AAU student's \$1.67 Billion total financial aid \$1.59 Billion \$1.51 Billion \$1.5B \$1.0B \$515.02 Million \$502.91 Million \$501,71 Million \$480.62 Million \$473.67 Million \$462,06 Million \$0.5B \$290.44 Million \$269.80 Million **\$268.26 Million \$269.87 Million \$260.69 Million \$265.31 Million** 2012-13 2013-14 2014-15 2015-16 2016-17 2017-18

STUDENT DEBT



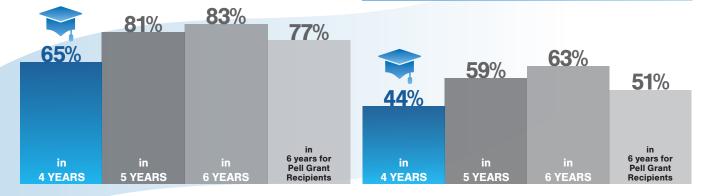
In 2018, only 4 out of 10 graduating seniors from AAU universities had debt, while 7 out of 10 graduating seniors from non-AAU universities had debt.

out of 10

Non-AAU seniors with debt

2018 AAU GRADUATION RATE

2018 NATIONAL GRADUATION RATE



STUDENT DEBT DEFAULT RATES

