

65 LEADING RESEARCH UNIVERSITIES





















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

ECONOMIC IMPACT



Technology

license

agreements

in 2020



Total

operational

startups

in 2020

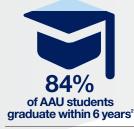




Current **Fortune** 100 CEOs

VALUE

in 2020

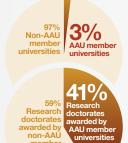




- 1 CEOs who attended an AAU university as of 2021.
- 2 2020 graduation rate at AAU universities.
- 3 Not including professional doctoral degrees

EDUCATION 2020 Data

AAU universities make up only 3% of all 4-year universities in the U.S., yet award nearly 41% of all research doctorate degrees.

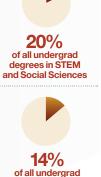


48% of all research doctoral degrees in STEM and Social Sciences



of all research doctoral degrees in Arts, degrees in Arts, **Humanities, and Music Humanities, and Music**

% Degrees awarded by AAU universities



RESEARCH

Federal research dollars awarded



EMPLOYEES



794,947 **Total employees** at AAU universities in 2020

SALARIES



\$100.4 Billion 25 in Top 10

Total salaries paid by AAU universities in 2020

EMPLOYMENT



25 AAU universities were among the top 10 employers in their state as of 2020

ENTREPRENEURS



38 in Top 50

38 AAU universities were in the top 50 for producing venture-capital-backed entrepreneurs as of 2020

ECONOMIC IMPACT OVER TIME (2010–20)



PATENTS

LICENSES

TOTAL STARTUPS

STARTUPS IN 2020

HOME STATE COs



5,583

Patents issued in 2020



Technology license agreements in 2020



Cumulative operational startup companies formed as of 2020



Startup companies formed in 2020



Startup companies created in home state in 2020

AAU America's Leading Research Universities

aau.edu

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DEGREES AWARDED BY AAU UNIVERSITIES IN THE U.S. AS OF 2020



Total Degrees



Research Doctorates



Professional Practice Doctorates



Master's Degrees



Bachelor's Degrees

In 2020, AAU institutions awarded 48% of all research doctoral degrees and 20% of all undergraduate degrees in STEM and Social Sciences

RESEARCH DOCTORAL DEGREES in STEM out of National Total (2020)

59% Physical Sciences



53% Math & Computer Sciences



& Social

BACHELOR'S DEGREES in STEM out of National Total (2020)

28% Engineering



Math & Computer Sciences



13%

STUDENTS AT AAU UNIVERSITIES IN 2020



Undergraduates



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



68% of all Postdocs² **Total Postdocs**

40%

40% of all International Students³ **International Students**



29% of all Study Abroad Students

Study Abroad

1 For all 4-year U.S. institutions, 2 Number of Postdocs in 2019. 3 Number of International Students in 2021.

GRADUATES OF AAU UNIVERSITIES



Governors



265 Members of Congress in 2022



5 Joint Chiefs of Staff Presidents in 2021 1900-2021



8 Current U.S. Supreme

Justices



45 Supreme Court Justices 1900-2021



60 Fortune 100 **CEOs in 2021**



Teaching Degrees in 2020



Medical Degrees in 2021



Dental Degrees in 2020



Nursing Degrees in 2020

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U.S.

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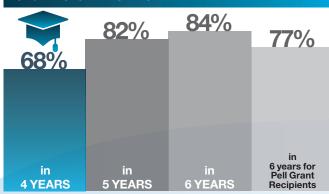
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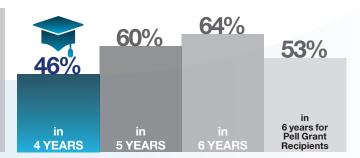
INSTITUTIONAL GRANT AID IN 2020

TYPE OF AID Institutional Gra Federal Loans Federal Grants TOTAL \$2.46 Billion \$1.69 Billion	\$2.53 Billion \$1.79 Billion	\$2.63 Billion \$1.88 Billion	\$2.76 Billion \$2.01 Billion	\$2.94 Billion \$2.17 Billion	\$3.1 Billion \$2.23 Billion In 2020, institutional grant aid made up 74% of the total financial aid awarded to students at AAU universities.	\$3.0B \$2.5B \$2.0B \$1.5B
\$503.32 Million		\$481.79 Million	\$463.19 Million	\$456.85 Million	\$416.30 Million	\$1.0B \$0.5B
\$270.87 Million 2014-15	\$269.41 Million 2015-16	\$270.66 Million 2016-17	\$291.20 Million 2017-18	\$317.48 Million 2018-29	2019-20	•••••

2020 AAU GRADUATION RATE



2020 GRADUATION RATE AT ALL U.S. BACHELOR'S DEGREE GRANTING INSTITUTIONS



STUDENT DEBT



out of 10

Public and private non-profit seniors with debt

In 2020, only 4 out of 10 graduating seniors from AAU universities had debt, while 6 out of 10 graduating seniors from public and non-profit universities had debt.

STUDENT DEBT DEFAULT RATES



AAU Universities

12.4% **FOR-PROFIT** Universities

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FEDERALLY FUNDED ACADEMIC RESEARCH AND DEVELOPMENT IN 20201

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							63%
\$20B			65%				
\$15B							
\$10B					∞	1	
\$5B	66%	64%		67%	60%	48%	
\$409.7 Million	\$4.69 Billion	\$1.29 Billion	\$16.4 Billion	\$1.18 Billion	\$3.24 Billion	\$1.52 Billion	\$28.8 Billion

1 % of total amount awarded to AAU Universities / total dollar amount received by AAU Universities

HONORS & AWARDS



Members of the National Academies at AAU universities

62% of all American Academy of Arts and Sciences Fellows 3,676

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



60 National Academy of Inventors Member Institutions

NOBEL PRIZE 39%

39% of all winners are at AAU universities

NATIONAL MEDAL OF SCIENCE 73%

73% of all awardees are affiliated with an AAU university



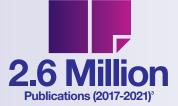
SCHOLARLY OUTPUT

Citations (2017-2021)²



RESOURCES

research parks





78 university accelerator programs



2,3 Thomson-Reuters InCites 4 2020 Academic Analytics



in institutional contributions to research and development

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