**COMPOSITION**

- **62** Engineering Schools
- **53** Teacher Certification Programs
- **52** Public Health Programs
- **47** Medical Schools
- **60** Business Schools
- **46** Law Schools
- **40** Nursing Programs
- **38** Public Universities
- **28** Private Institutions w/Hospitals
- **25** Land-Grant Universities

*CEOs who attended an AAU university as of 2020.*

**2019 graduation rate at AAU universities.**

***Not including professional doctoral degrees.

**Founded in 1900,** the Association of American Universities is composed of America’s leading research universities. AAU’s 66 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**

- **5,033** Patents in 2019
- **5,340** Technology license agreements in 2019
- **4,632** Total operational startups in 2019
- **60** Current Fortune 100 CEOs

**EDUCATION 2019 Data**

AAU universities make up only 3% of all 4-year universities in the U.S., yet award nearly 42% of all research doctorate degrees.**

<table>
<thead>
<tr>
<th>Degrees awarded by AAU universities</th>
<th>% of all research doctoral degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>97% Non-AAU member universities</td>
<td>20% of all undergrad degrees in STEM and Social Sciences</td>
</tr>
<tr>
<td>3% AAU member universities</td>
<td>49% of all research doctoral degrees in STEM and Social Sciences</td>
</tr>
<tr>
<td>58% Research doctorates awarded by non-AAU member universities</td>
<td>42% of all research doctorates in Arts, Humanities, and Music</td>
</tr>
<tr>
<td>60% Research doctorates awarded by AAU member universities</td>
<td>14% of all undergrad degrees in Arts, Humanities, and Music</td>
</tr>
</tbody>
</table>

**VALUE**

- **83%** of AAU students graduate within 6 years**
- **58%** of AAU students graduate debt-free

**RESEARCH**

**$27.7 BILLION** Federal research dollars awarded in 2019

*CEOs who attended an AAU university as of 2020.

**2019 graduation rate at AAU universities.

***Not including professional doctoral degrees.
**Total employees at AAU universities in 2019**: 811,222

**Total salaries paid by AAU universities in 2019**: $95.5 Billion

**26 AAU universities were among the top 10 employers in their state as of 2019**

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

**ECONOMIC IMPACT OVER TIME (2009–19)**

- **Patents**: 5,033
- **Licenses**: 5,340
- **Total operational startups**: 4,632

**Home State Cos**: 480

**Startups formed in 2019**: 668

**Technology license agreements in 2019**: 5,340

**Cumulative operational startup companies formed as of 2019**: 4,632
DEGREES AWARDED BY AAU UNIVERSITIES IN THE U.S. AS OF 2019

- 546,119 Total Degrees
- 31,418 Research Doctorates
- 25,642 Professional Practice Doctorates
- 173,217 Master’s Degrees
- 315,623 Bachelor’s Degrees

In 2019, AAU institutions awarded 49% 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 (2019)
- 58% Physical Sciences
- 58% Engineering
- 57% Math & Computer Sciences

BACHELOR’S DEGREES in STEM out of National Total (2019)
- 28% Engineering
- 27% Physical Sciences
- 25% Math & Computer Sciences

STUDENTS AT AAU UNIVERSITIES IN 2019
- 1.3 million Undergraduates
- 668,119 Graduate Students
- 44,447 Total Postdocs
- 397,956 International Students
- 96,709 Study Abroad

GRADUATES OF AAU UNIVERSITIES
- 24 Governors in 2020
- 269 Members of Congress in 2021
- 5 Joint Chiefs of Staff in 2020
- 13 U.S. Presidents 1900–2020
- 8 Current U.S. Supreme Court Justices
- 45 Supreme Court Justices 1900–2020
- 60 Fortune 100 CEOs in 2020
- 8,844 Teaching Degrees in 2019
- 7,028 Medical Degrees in 2020
- 2,601 Dental Degrees in 2019
- 9,295 Nursing Degrees in 2019

*For all 4-year U.S. institutions. **Number of Postdocs in 2018. ***Number of International Students in 2020.
In 2019, institutional grant aid made up 74% of the total financial aid awarded to students at AAU universities.

2019 AAU GRADUATION RATE

66% in 4 YEARS
81% in 5 YEARS
83% in 6 YEARS
76% in 6 years for Pell Grant Recipients

2019 GRADUATION RATE AT U.S. BACHELOR DEGREE-GRANTING INSTITUTIONS

45% in 4 YEARS
59% in 5 YEARS
63% in 6 YEARS
52% in 6 years for Pell Grant Recipients

STUDENT DEBT

Only 4 out of 10 AAU seniors with debt
6 out of 10 Public and private non-profit seniors with debt

STUDENT DEBT DEFAULT RATES

13.8% FOR-PROFIT Universities
6.8% NON-PROFIT Universities
2.8% AAU Universities

In 2019, only 4 out of 10 graduating seniors from AAU universities had debt, while 6 out of 10 graduating seniors from public and private non-profit universities had debt.
### FEDERALLY FUNDED ACADEMIC RESEARCH AND DEVELOPMENT IN 2019*

<table>
<thead>
<tr>
<th>Department</th>
<th>Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Agriculture</td>
<td>$25B</td>
<td>62%</td>
</tr>
<tr>
<td>Department of Defense</td>
<td>$20B</td>
<td>64%</td>
</tr>
<tr>
<td>Department of Energy</td>
<td>$15B</td>
<td>66%</td>
</tr>
<tr>
<td>Department of Health and Human Services (including NIH)</td>
<td>$10B</td>
<td>68%</td>
</tr>
<tr>
<td>National Aeronautics and Space Administration</td>
<td>$5B</td>
<td>60%</td>
</tr>
<tr>
<td>National Science Foundation</td>
<td>$1B</td>
<td>48%</td>
</tr>
<tr>
<td>Other Federal Departments and Agencies</td>
<td>$502 Million</td>
<td>64%</td>
</tr>
<tr>
<td>Total federal R&amp;D at AAU universities</td>
<td>$27.7 Billion</td>
<td>66%</td>
</tr>
</tbody>
</table>

*% of total amount awarded to AAU universities / total dollar amount received by AAU universities

### HONORS & AWARDS

- **National Medal of Science**: 2.8 Million Publications (2016-2020)*
  - 73% of all awardees are affiliated with an AAU university

### SCHOLARLY OUTPUT

- **SCHOLARLY OUTPUT**
  - 28 Million Citations (2016-2020)*
  - 64% Department of Health and Human Services (including NIH)

### RESOURCES

- **RESOURCES**
  - 23 research parks
  - 78 university accelerator programs
  - $11.2 B in institutional contributions to research and development

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*Thomson-Reuters InCites
**2019 Academic Analytics

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