Founded in 1900, the Association of American Universities comprises 62 distinguished research universities across the United States that continually advance society through education, research, and discovery. Our universities earn the majority of competitively awarded federal funding for academic research and are educating tomorrow’s visionary leaders and global citizens.

**About AAU**

**COMPOSITION**

- Business Schools: 59
- Engineering Schools: 58
- Teacher Certification Programs: 51
- Medical Schools: 49
- Law Schools: 45
- Public Universities: 36
- Nursing Schools: 35
- Private Universities: 26
- Schools of dentistry, public health, fine arts, social work: 20+
- International Branches: 20
- Land Grant Universities: 17

**ECONOMIC IMPACT**

- **Value**
  - Patents in 2016: 4,407
  - Technology license agreements in 2016: 3,611
  - Total operational start-ups in 2016: 3,096
  - Current Fortune 100 CEOs*: 61

- **Research**
  - AAU universities make up only 2% of all 4-year universities in the US, yet award nearly 42% of all research doctorate degrees.
  - % Degrees awarded by AAU universities:
    - 2% of all doctoral degrees in STEM and Social Sciences
    - 51% of all doctoral degrees in Arts, Humanities, and Music
    - 42% of all undergraduate degrees in Arts, Humanities, and Music
    - 21% of all undergraduate degrees in STEM and Social Sciences
    - 58% of all research doctorates awarded by AAU member universities
    - 98% of all research doctorates awarded by non-AAU member universities

- **Educational Impact**
  - AAU graduation rate over past 6 years**: 83%
  - AAU students who graduate debt-free: 50%

- **Economic Impact**
  - Federal research dollars awarded in 2016: $23.3 BILLION

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*CEOs who attended an AAU university as of 2017.
**2016 graduation rate at AAU universities.
**Economic Impact**

**EMPLOYEES**
- 725,265 Total employees at AAU universities in 2016

**SALARIES**
- $77 Billion Total salaries paid by AAU universities in 2016

**EMPLOYMENT**
- 35 in Top 20
  - 35 AAU universities were among the top 20 employers in their state as of 2016
- 38 in Top 50
  - 38 AAU universities were in the top 50 for producing venture capital-backed entrepreneurs as of 2016

**ENTREPRENEURS**
- 76%
  - Start-up companies formed in home state as of 2016

**ECONOMIC IMPACT OVER TIME (2006–16)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Patents</th>
<th>Licenses</th>
<th>Total operational start-ups</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
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<td>2007</td>
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<tr>
<td>2015</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>4,407</td>
<td>3,611</td>
<td>3,096</td>
</tr>
</tbody>
</table>

**PATENTS**
- 4,407 Patents issued in 2016

**LICENSES**
- 3,611 Technology license agreements in 2016

**TOTAL START-UPS**
- 3,096 cumulative operational start-up companies formed in 2016

**START-UPS IN 2016**
- 635 Start-up companies formed in 2016

**HOME STATE COs.**
- 443 Start-up companies created in home state in 2016
## Degrees Awarded by AAU Universities in the US as of 2016

<table>
<thead>
<tr>
<th>Degree Level</th>
<th>Total Degrees</th>
<th>Research Doctorates</th>
<th>Professional Practice or Other Doctorates</th>
<th>Master’s Degrees</th>
<th>Bachelor’s Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Degrees</strong></td>
<td>488,495</td>
<td></td>
<td>29,665</td>
<td>23,882</td>
<td>149,998</td>
</tr>
</tbody>
</table>

### Doctoral Degrees (STEM and Social Sciences)

- **Engineering**: 27%
- **Math and Computer Sciences**: 9%
- **Physical & Geosciences**: 4%
- **Other**: 8.8%
- **Life Sciences**: 30%
- **Social Sciences & Psychology**: 18%

*AAU universities award 51% of all STEM and Social Science doctoral degrees.*

### Undergraduate Degrees (STEM and Social Sciences)

- **Engineering**: 21%
- **Math and Computer Sciences**: 4%
- **Physical & Geosciences**: 9%
- **Life Sciences**: 30%
- **Social Sciences & Psychology**: 35%
- **Other**: 3%

*AAU universities award 21% of all STEM and Social Science undergraduate degrees.*

## Students at AAU Universities in 2016

- **11%** of all Undergraduates at 4-year institutions: 1.2 million Undergraduates
- **20%** of all Graduate Students at 4-year institutions: 599,504 Graduate Students
- **34%** of all International Students: 356,270 International Students

## Graduates of AAU Universities

- **42,932** Total Postdocs at AAU universities as of 2015
- **25** Current Governors as of 2017
- **228** Current Members of Congress as of 2017
- **13** US Presidents 1900–2017
- **9** All 9 Justices currently on the US Supreme Court
- **44** Supreme Court Justices 1900–2017
- **61** Current Fortune 100 CEOs as of 2017
Research

FEDERALLY-FUNDED RESEARCH (2016)*

<table>
<thead>
<tr>
<th>Department of Agriculture</th>
<th>Department of Defense</th>
<th>Department of Energy</th>
<th>Department of Health and Human Services (including NIH)</th>
<th>National Aeronautics and Space Administration</th>
<th>National Science Foundation</th>
<th>Other Federal Departments and Agencies</th>
<th>Total Federal R&amp;D at AAU universities</th>
</tr>
</thead>
<tbody>
<tr>
<td>$25B</td>
<td>$20B</td>
<td>$15B</td>
<td>$12.6 Billion</td>
<td>$984 Million</td>
<td>$3.08 Billion</td>
<td>$1.1 Billion</td>
<td>$23.3 Billion</td>
</tr>
</tbody>
</table>

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

HONORS & AWARDS

- 52% of all National Academy Members
  - 3,595 Members of the National Academies at AAU universities
- 70% of all American Academy Fellows
  - 3,423 Elected American Academy Fellows affiliated with AAU universities

NOBEL PRIZE

- 38% of all winners are at AAU universities

NATIONAL MEDAL OF TECHNOLOGY & INNOVATION

- 86% of recipients are at AAU universities

NATIONAL MEDAL OF SCIENCE

- 70% of all awardees are affiliated with an AAU university

SCHOLARLY OUTPUT

- 19.2 Million Citations (2011-2016)*
- 2.3 Million Publications (2011-2016)*
- 56,201 Books in 2016**

RESOURCES

- 24 research parks
- 62 (all) have start-up and research investment programs
- 67 university accelerator programs
- $9.3B in institutional contributions to research and development
Institutional grant aid exceeded federal aid by 42% (aid to first-time, full-time undergraduates)

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<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>Federal Grants</td>
<td>$500.59</td>
<td>$508.22</td>
<td>$495.82</td>
<td>$486.68</td>
<td>$482.71</td>
<td>$459.62</td>
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<tr>
<td>Federal Loans</td>
<td>$282.87</td>
<td>$248.00</td>
<td>$247.87</td>
<td>$254.31</td>
<td>$257.16</td>
<td>$257.66</td>
</tr>
<tr>
<td>Institutional Grant Aid</td>
<td>$2.00B</td>
<td>$1.50B</td>
<td>$1.00B</td>
<td>$0.50B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Students at private AAU universities only paid 41% of the sticker price and low-income students only paid 15%

Students at public AAU universities only paid 58% of the sticker price and low-income students only paid 35%

In 2015, 7 out of 10 graduating seniors from non-AAU universities had debt, while only 5 out of 10 graduating seniors from AAU universities had debt.

In 2016, Institutional Grant Aid made up 71% of a student’s total financial aid.