This summary of activities and achievements of the Advanced Technology Education (ATE) program is based on the 2020 ATE survey. Principal investigators for 91% (n=294) of ATE grants completed the survey, out of a total of 325 ATE grants. This included 247 projects, 32 centers, 4 conference grants, and 11 targeted research projects.

**153 DEGREE PROGRAMS AND 454 COURSES**
were developed by 125 ATE projects.

Almost half (49%) of all academic degree programs developed were certificate programs, and a majority (84%) of courses developed were at the associate degree level.

**65,000+ STUDENTS**
were served by ATE projects.

ATE projects served over 65,000 students through a variety of activities.\(^1\)

**7,820 EDUCATORS**
participated in 1,070 professional development activities.\(^1\)

The main audiences for ATE professional development activities were educators at **secondary schools** and **two-year colleges**.

<table>
<thead>
<tr>
<th>At secondary schools</th>
<th>At two-year colleges</th>
<th>At other</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,400</td>
<td>4,300</td>
<td>580</td>
</tr>
<tr>
<td>At four-year colleges</td>
<td></td>
<td></td>
</tr>
<tr>
<td>500</td>
<td></td>
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</tbody>
</table>

\(^1\) Due to the structure of the survey questions, educator and student counts cannot be combined because of the the high probability of double-counting individual students.
7,110 EDUCATIONAL MATERIALS were developed by 126 ATE projects.

Educational materials developed included assessment activities, modules or instructional units, lessons, lab experiments, curricula, case studies, instructor guides, and textbooks.

- 3,310 Assessment activities or tests
- 1,160 Modules or instructional units
- 1,010 Lessons or lesson plans

11,651 ARTICULATION AGREEMENTS were developed or maintained by 62 ATE projects.

4,300 students matriculated to a higher-level education institution with the aid of an ATE-supported articulation agreement.

<table>
<thead>
<tr>
<th>Agreements Maintained (n=11,532)</th>
<th>High school to two-year college</th>
<th>Two-year college to four-year college</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>97%</td>
<td>3%</td>
</tr>
</tbody>
</table>

| Agreements Developed (n=119)     | 65%                             | 35%                                 |

8,500 COLLABORATORS were engaged by ATE projects.

ATE projects most frequently collaborated with business and industry groups and other colleges and universities.

- 70% collaborated with business and industry groups
- 54% collaborated with other two- and four-year colleges

OTHER ACTIVITIES were conducted by ATE projects in 2019 in support of advanced technological education.

ATE projects engaged in a wide range of activities. More information about those listed below and others can be found in the full report.

- Operated 5 coordination networks
- Conducted 11 research studies
- Hosted 16 conferences
- Developed 163 publications
ATE Annual Survey
2020 Report

December 2020

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