

# ATE ANNUAL SURVEY

## 2020 HIGHLIGHTS

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.



68

Associate degree programs served 5,790 students



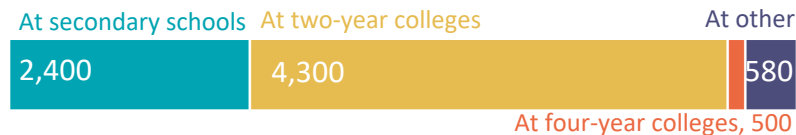
75

Certificate programs served 3,760 students

### 7,820 EDUCATORS

participated in 1,070 professional development activities.<sup>1</sup>

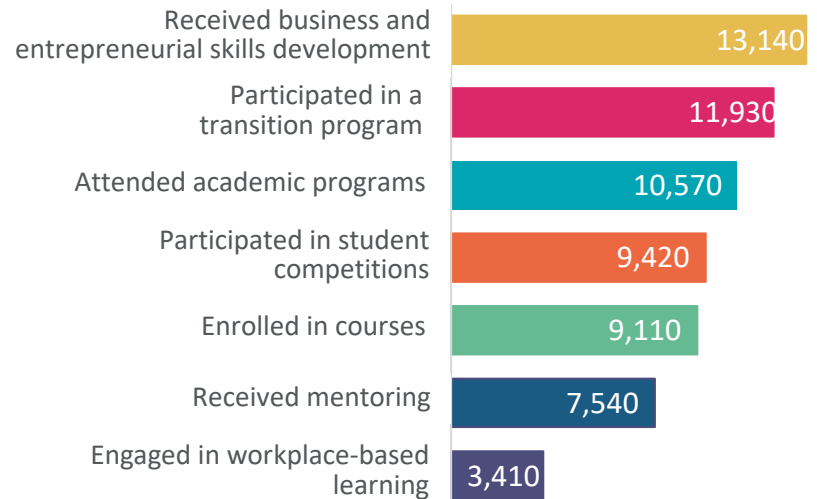
The main audiences for ATE professional development activities were educators at **secondary schools** and **two-year colleges**.



### 65,000+ STUDENTS

were served by ATE projects.

ATE projects served over 65,000 students through a variety of activities.<sup>1</sup>



<sup>1</sup> 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.

# ATE ANNUAL SURVEY

## 2020 HIGHLIGHTS (continued)

### 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



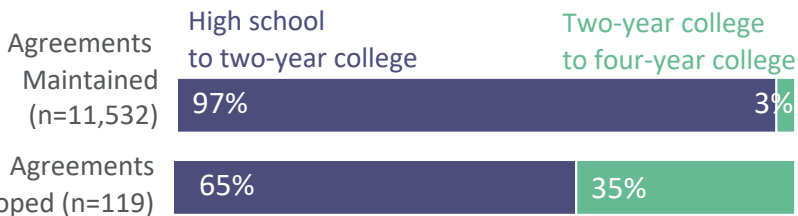
**1,010**

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.

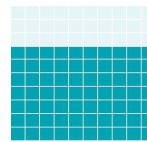


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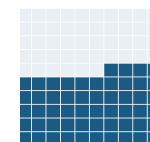
### 8,500 COLLABORATORS

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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