

ATE SURVEY

2023 HIGHLIGHTS

This summary of activities and achievements of the Advanced Technology Education (ATE) program is based on the 2023 ATE Survey. Principal investigators for 94% of ATE grants (n=338, out of a total of 361 active ATE grants) completed the survey. Respondents represented grants supporting 295 projects, 29 centers, 2 conferences, and 12 targeted research projects.

142 DEGREE PROGRAMS AND 363 COURSES

were developed by 94 ATE projects.

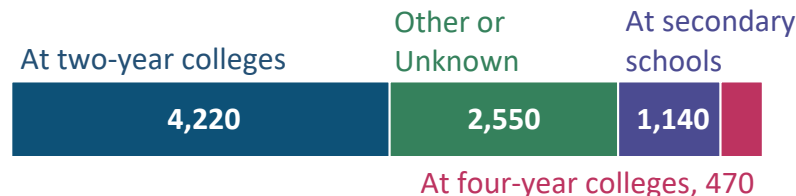
Half (51%) of all academic degree programs developed were certificate programs, and a majority (85%) of courses developed were at the associate degree level.



8,380 EDUCATORS

participated in 670 professional development activities.

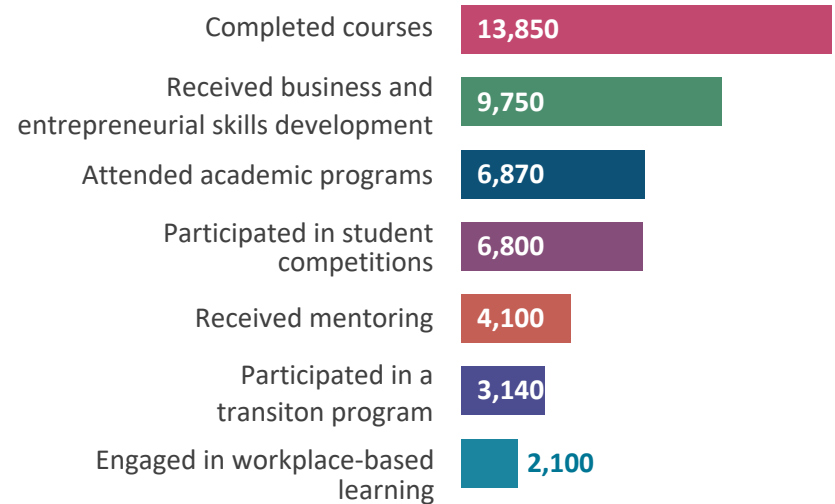
Over 4,220 educators who received professional development were located at **two-year colleges** followed by 1,140 educators at **secondary schools**.



46,610+ STUDENTS

were served by ATE projects.

ATE projects served over 46,610 students through a variety of activities in 2022.* ATE projects served the most students through **completing academic courses**, followed by **developing business and entrepreneurial skills**.



* Due to the structure of the survey questions, the total number of students served may not represent a count of unique students.

ATE SURVEY

2023 HIGHLIGHTS (continued)

6,190 EDUCATIONAL MATERIALS

were developed by 136 ATE projects.

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



1,090

Modules or instructional units



1,550

Assessment activities or tests



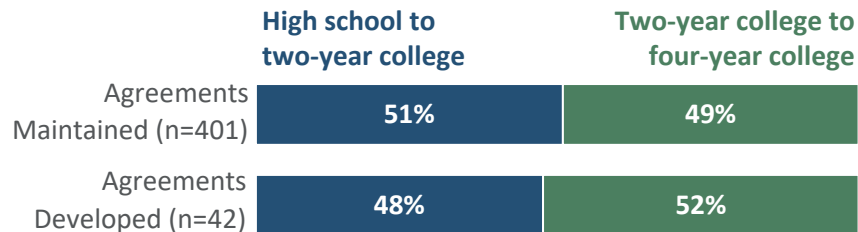
900

Lab experiments

440 ARTICULATION AGREEMENTS

were developed or maintained by 48 ATE projects.

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

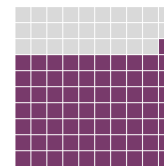


This material is based upon work supported by the National Science Foundation under grant number 1841783. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

8,210 COLLABORATORS

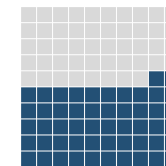
were engaged by ATE projects.

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



71%

collaborated with business and industry groups



52%

collaborated with other two- and four-year colleges

OTHER ACTIVITIES

were conducted by ATE projects in 2022 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

12 coordination networks



conducted

15 research studies



hosted

6 conferences



developed

202 publications