

# Evaluation of the National Science Foundation's Advanced Technological Education Program

Client: National Science Foundation

## Overview

This study evaluated the National Science Foundation's (NSF) Advanced Technological Education (ATE) program. The ATE program seeks to produce more highly qualified science and engineering technicians to meet workforce demands in strategic advanced technology fields and improve the technical skills and general science, technology, engineering, and mathematics (known as STEM) preparation of these technicians and the educators who prepare them. To accomplish these goals, the program provides awards primarily to 2-year institutions, requiring them to collaborate with industry partners. NSF contracted with Insight to conduct a mixed-methods evaluation of the ATE program focused on ATE center and project awards funded from fiscal year (FY) 2007 through FY 2018.

For this project, Insight—

- Described the patterns of ATE program investments over time
- Investigated the extent to which ATE awardees partner with industry



- Examined the extent to which ATE awardees produce educational products of high quality

## Products

Final reports, *Quality of Selected Educational Products in the Advanced Technological Education Program, 2011 to 2015* (2020), *Industry Partnerships in the Advanced Technological Education Program, 2011 to 2015* (2020); *Review of the Advanced Technological Education Program, 2007 to 2018* (2020)