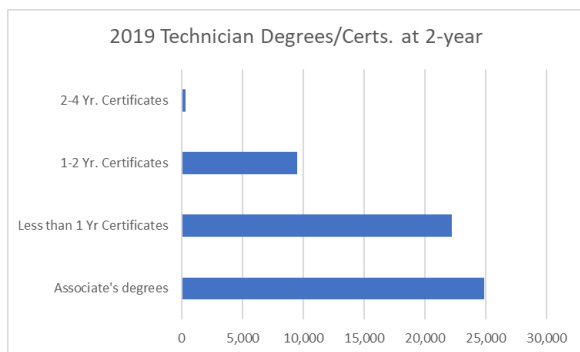


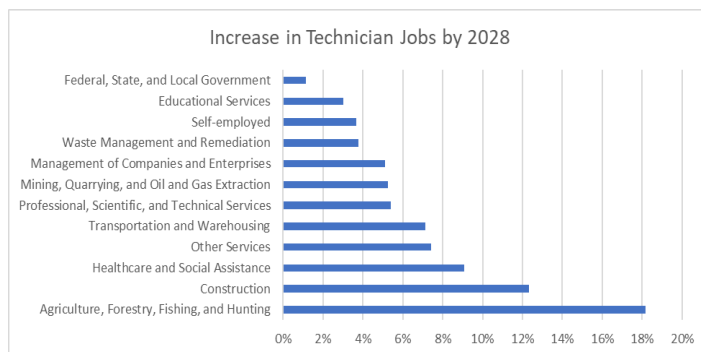
## Profiles of Technical Workforce Programs and Students at Two-year Colleges

### Technician Programs and Certificates



Community Colleges awarded over 25,000 certificates and over 20,000 associate degrees in 2019 in engineering-related technologies.

### Future Workforce



The number of technician jobs is expected to rise to over 712,000 jobs by 2028. This project identifies certificates potential in that growth.

### Project Value

- Fill in gaps in data and knowledge about two-year engineering-oriented technician programs for regional policy makers and industry leaders
- Identifying regional needs for training programs at 2-Year Colleges for college administrators and academic leaders
- Alignment between workforce data and the region's local production of graduates
- Developing industry / college partnerships by identifying opportunities and needs
- Resource for prospective students, HS counselors and teachers to learn about technician education programs available in their region

**By December 2020: Provide 2-Year Colleges Access to ASEE Engineering Data Management System (EDMS)**

NSF DUE-ATE # 2000587  
Project Period: April 2020 – March 2022  
PI: Dr. Joe Roy ([j.roy@asee.org](mailto:j.roy@asee.org))  
Co-PI: Dr. Ashok Agrawal ([aagrawal1818@gmail.com](mailto:aagrawal1818@gmail.com))

Data Compiled by: ASEE's Institutional Research and Analytics Division  
Data Sources: U.S. Bureau of Labor Statistics Employment Projections (<https://www.bls.gov/emp/>), released September 2019  
IPEDS Data Center, Completions at 2-year institutions (<https://nces.ed.gov/ipeds/use-the-data/>), released June 2020.

