



The Battery Workforce Challenge (BattChallenge) is an Advanced Vehicle Technology Competition (AVTC) headline sponsored by the U.S. Department of Energy (DOE) and Stellantis and managed by Argonne National Laboratory.

BattChallenge is a three-year collegiate engineering competition that challenges 12 North American universities and their vocational partners to design, build, test and integrate an advanced EV battery pack into a Stellantis vehicle.

Each Battery Workforce Challenge team receives a 2024 Ram ProMaster EV from Stellantis. Schools follow industry design and development processes focused on battery design, simulation, controls development, testing, vehicle integration and demonstration throughout the three-year competition.

The universities and vocational partners selected for the Battery Workforce Challenge are:

- California State University, Los Angeles (Los Angeles, California) and Cerritos College
- Clemson University (Clemson, South Carolina) and Greenville Technical College
- Colorado School of Mines (Golden, Colorado) and Arapahoe Community College
- Jackson State University (Jackson, Mississippi) and Hinds Community College
- McMaster University and Mohawk College (Ontario, Canada)
- The Ohio State University and Columbus State Community College
- Rose-Hulman Institute of Technology and Ivy Tech Community College
- University of Alabama and Shelton State Community College
- University of California, Merced and Merced College
- University of Michigan-Dearborn and Henry Ford College
- University of Nevada, Las Vegas (Las Vegas, Nevada) and College of Southern Nevada
- University of Waterloo Ontario, Canada and Lambton College: Lambton Energy Research Centre

About AVTCs:

Established in 1988 by the U.S. Department of Energy and Argonne National Laboratory in partnership with North America's automotive industry, the Advanced Vehicle Technology Competitions™ (AVTCs) are multi-year collegiate engineering programs that serve as DOE's flagship workforce development program.

The AVTC program is North America's premier collegiate automotive engineering competition, providing an unparalleled, hands-on educational experience that has transformed the traditional classroom environment into a hub for automotive innovation. AVTCs provide a real-world training ground for the next generation of automotive engineers and industry leaders.

For over 37 years, AVTCs have embodied the spirit of American automotive ingenuity, with more than 32,000 students from 111 universities participating—many of whom have gone on to redefine the future of mobility.

More information about the Battery Workforce Challenge is available at [AVTC Series](#).