

AZNext

Arizona State University

Closing the Skills Gap to Build the Future Workforce

AZNext is a training program designed to create a bold, innovative, and sustaining workforce development ecosystem that addresses the need for more skilled workers in IT, cybersecurity, and advanced manufacturing roles in Arizona and across the U.S.

Provided at no cost to the participant.

Contact Us

Email

AZNext@asu.edu

Website

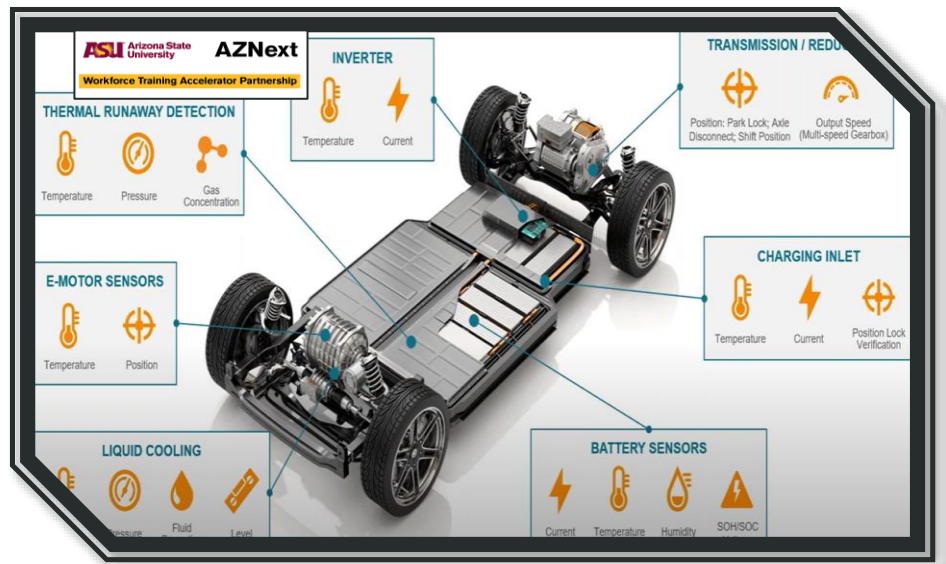
aznext.pipelineaz.com

Social Media

Twitter: [@AZNext_ASU](https://twitter.com/AZNext_ASU)

LinkedIn: [AZNext](https://www.linkedin.com/company/aznext)

Want to Work with Electric Vehicles? Join the Latest AZNext Program at ASU!



What is this program about?

AZNext and **ASU** are pleased to offer the **Battery and Electric Vehicles Technologies Specialization** program. This set of courses introduces you to batteries for various applications including electric vehicles. Giving you the skill to critically analyze battery management systems technology needed for electric vehicles.

This program can start you on a career in the fast-growing segments of batteries, electric vehicles and alternative energy. The lithium-ion battery value chain is set to grow by over 30 percent annually from 2022-2030, in line with the rapid uptake of electric vehicles and other clean energy technologies.

The series of courses is designed for beginners with no previous knowledge of battery technology (see note in admission requirements). So perfect for entry level and workers looking to upskill or reskill, or experienced workers looking to sharpen their skills.

To learn more, connect with AZNext today!

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What will you Gain?

Learn in-demand skills from university and industry experts. Master a subject or tool with hands-on projects. Develop a deep understanding of key concepts

How to Apply



[Application Link](#)

Questions

Email: AZNext@asu.edu

Where and How the program is offered?

The program is 100% online and self-paced, consisting of sixteen online modules including readings & exercises. These sessions can be timed flexibly to accommodate working schedules.

The specialization program covers the following five primary course topics:

1. Primary and Secondary Batteries
2. Zinc and Nickel Based Batteries
3. Lithium Based Batteries
4. Battery Comparison, Manufacturing and Packaging
5. Batteries and Electric Vehicles

The courses comprise topics such as Batteries and their types, applications, architecture, Cell Chemistries, Battery Charging its Modes & Standards, Battery Management Systems, Cell Balancing, Wire Harness, and Battery Connectors.

Approximately 35-40 hours to complete the program. Each of the 5 modules includes a lab and report, and you earn a certificate for each module you successfully complete.

Program cost

This program is offered to AZNext participants at **NO COST**.

What will I get upon completion of the program?

Upon successfully completing the courses, the participant will receive a Career Certificate from Coursera as well as a digital certificate from AZNext/ASU.

Pre-requisites & admission requirements

Participants must be:

- 17 years of age or older
- Have a high school diploma or GED
- Resident of the State of Arizona
- Unemployed, underemployed, or looking to upskill/retrain

Note, the program allows you to take the topics in any order, however if you have no previous experience with battery technology, it is highly recommended you take the primary topic courses in order.

