

PROGRAM STRUCTURE & OUTCOMES

Skilled Technical Workforce Program – LEVEL 1

Program Structure

- Due to current COVID 19 issues, the program will be designed for an intensive and highly interactive online experience – Zoom log-in provided
- Format is flexible in order to accommodate multiple shifts. Recording of previous sessions will be provided for those unable to participate in live sessions due to job responsibilities.
- Practical labs and discussion panels with industry IoT/Data instructors
- Examples and applications direct from participants' work experience or job sites
- Participants to take a pre-program survey and post-program survey and assessments to gauge proficiency
- Participants successfully completing the course will receive a Certificate of Completion

Learning Outcomes

On completion of the course, participants should be able to:

- understand data sources and formats
- understand and visualize data for better decision making
- comprehend data foundations for analytics
- identify how to collect, store and analyze relevant data to measure success
- appreciate the role of big data, cloud computing and data analytics in a typical IoT system
- explain the definition and usage of the term “Internet of Things” in the context of your industry and future trends
- understand the key components that make up an IoT system
- find and use simple IoT concepts and tools to improve business efficiency and profitability in your job
- create and present key ideas for using IoT in your business setting
- work collaboratively with teams to create solutions to complex problems relevant to improving business success
- communicate business problems & formulate solutions
- use Whiteboarding techniques for collaborative problem solving
- present proposed technical solutions to non-technical team members