

# WORKFORCE INITIATIVE (WFI) HEALTH CARE ANALYTICS CURRICULUM



**WELCOME!** We are excited to welcome you to the healthcare workforce initiative cohort brought to you by LocalTek. This cohort will be implemented over 8 -15 weeks. Within this time, you will be trained on the basics of computers, technology, introduction to coding, and introduction to data analysis utilizing Big EHR Data and Data system(s). You will learn remotely and at your own pace within your career(s) to apply the skills of a level 1 Healthcare Data Analytic Specialist.

**The curriculum will be divided into four parts technology 101, Jumpstart to Data Analytics, and Healthcare Analytics 101.**

## Technology 101

**Module One: 16 hours - 6 weeks**

The Technology 101 module will introduce (or review) the basics of technology. This self-paced class is designed for those who have little to no experience in technology and it serves as a refresher to those who are experienced. This class is designed to give you a thorough overview of all things' technology. It will also give you a foundation on the technical matters you need to start the process of becoming a Healthcare Data Analytic Specialist. Additionally, you will learn the process of applying Microsoft Excel techniques and Power BI using data analytics to problem solve for your respective clinical data. This class is designed to teach individuals (with little to no background in technology), to learn the terminology, practical application, use cases, and a thorough overview of what technology is in terms of computing.

## Data Analytics Jumpstart

**Module two: 11hours – 3**

**Nashville Software School Jumpstart workshops**

**GO TO  
[HTTPS://NASHVILLESOFTWARESCHOOL.COM/PROGRAMS/ANALYTICS-JUMPSTART](https://NASHVILLESOFTWARESCHOOL.COM/PROGRAMS/ANALYTICS-JUMPSTART)**

# WFI HEALTH CARE ANALYTICS CURRICULUM



## **Healthcare and Analytics 101** **Module Three: 16 hours – 4 weeks**

This class will be the beginning of your tenure in learning “What coding is?”. This class will theorize the need for data, how it is cultivated, where it is housed, and how it is analyzed. We will uncover machine learning, data repositories, and data lakes function for businesses, companies, clinics, and hospitals.

This class will take the knowledge of coding to the application by analysis of data and coding platforms. After the theory, you will apply python to EHR systems, and analyze data sets from our data repository. Master of this course will demonstrate a foundational understanding of data analytics, healthcare, and coding using python.