OHIO COMPUTER ACADEMY
INSPIRE • EDUCATE • EVOLVE

PROGRAMMING FOR DATA SCIENCE WITH PYTHON

Workforce technology training in 16 instructional hours

Instructor-led
Live Online or In Person

6 Modules | 16 hours | Intermediate

https://ohiocomputeracademy.com/

- Live instructor-led sessions
- Hands-on workplace exercises
- TechCred eligible credential title

Duration	Format	Level	Certificate
16 hours	**Instructor-led**	**Intermediate**	**Included**
6 modules	Live online or in person	See prerequisites	On meeting completion requirements

COURSE OVERVIEW

Use Python and widely adopted data libraries to collect, clean, analyze, and visualize structured data. Participants complete an end-to-end analysis that combines programming, data preparation, exploratory analysis, and communication.

WHO SHOULD ATTEND

Aspiring data analysts, technical business professionals, Python users, and team members supporting data science work.

PREREQUISITES

Basic Python programming knowledge, including variables, conditions, loops, functions, and collections.

Live online or in person at our Dublin, Ohio training center

Participants who meet the completion requirements receive an Ohio Computer Academy certificate bearing the exact credential name shown.

LEARNING HIGHLIGHTS

- **16 instructional hours, taught live by an instructor, not recordings.**
- **Delivered live online or in person at our Dublin, Ohio training center.**
- **Guided demonstrations of every key skill.**
- **Hands-on exercises using realistic business datasets and scenarios.**
- **Practical workplace application built around workplace tasks.**
- **A final applied assessment of the required competencies.**
- **An Ohio Computer Academy certificate bearing the exact credential name.**

LEARNING OUTCOMES

By the end of this course you will be able to:

- Load and inspect structured datasets
- Clean and transform data with Python
- Perform exploratory analysis
- Create meaningful visualizations
- Document and communicate analytical findings

WHY EMPLOYERS CHOOSE OHIO COMPUTER ACADEMY

- **Instructor-led, not recordings.** Every session is taught live, online or in our classroom.
- **Local to central Ohio.** Our training center is in Dublin, minutes from the Columbus corridor.
- **Built around workplace tasks.** Programs use realistic business datasets and scenarios.
- **Flexible scheduling.** Cohorts are arranged around shift patterns and business hours, including private cohorts for a single employer.

CURRICULUM

Six modules across 16 instructional hours: guided demonstrations, hands-on exercises, practical workplace application, and a final applied assessment.

MODULE 1	Data science workflow and Jupyter-based analysis
MODULE 2	NumPy arrays and numerical operations
MODULE 3	Pandas data loading, cleaning, and transformation
MODULE 4	Exploratory analysis and descriptive statistics
MODULE 5	Visualization with Matplotlib and Seaborn
MODULE 6	End-to-end data science programming project

HOW YOU WILL LEARN

STEP 1
Watch it done
Guided demonstrations by your instructor

STEP 2
Practice
Hands-on exercises on realistic business data

STEP 3
Apply it
Practical workplace activities

STEP 4
Show it
A final applied assessment

DELIVERY AND COMPLETION REQUIREMENTS

Delivery is instructor-led and available live online or in person. The credential includes 16 total instructional hours, guided demonstrations, hands-on exercises, practical workplace activities, and a final applied assessment. Participants must meet attendance requirements, complete assigned activities, and demonstrate the required competencies in the final assessment.

HOW YOUR PROGRESS IS CHECKED

There are three completion requirements. Participants must:

1. **Meet attendance requirements**
2. **Complete assigned activities**
3. **Demonstrate the required competencies in the final applied assessment**

YOUR CREDENTIAL

Participants who successfully complete the requirements receive an Ohio Computer Academy certificate bearing the exact credential name:

Programming for Data Science with Python

The same exact name will appear on the participant's:

Enrollment record	Itemized invoice	Completion record	Certificate

Inclusion of a credential on the state list does not confirm that training delivered by every organization is reimbursable. Employer awards and reimbursement eligibility are determined exclusively by the State of Ohio.

FAQS

Who should take this course?

Aspiring data analysts, technical business professionals, Python users, and team members supporting data science work.

What do I need before I start?

Basic Python programming knowledge, including variables, conditions, loops, functions, and collections.

How is the course delivered and how long does it take?

16 instructional hours across six modules. Delivery is instructor-led and available live online or in person at our Dublin, Ohio training center.

Can we arrange training for our own team?

Yes. Cohorts are arranged around shift patterns and business hours, including private cohorts for a single employer.

What do participants receive?

Participants who successfully complete the requirements receive an Ohio Computer Academy certificate bearing the exact credential name: Programming for Data Science with Python.

Is this course covered by TechCred?

This credential title currently appears on Ohio's TechCred eligible credential list, and Ohio Computer Academy is listed as an eligible TechCred training provider on the State of Ohio's TechCred website. Employer awards and reimbursement eligibility are determined exclusively by the State of Ohio.

How do I ask about schedules and tuition?

Contact us at techcred@ohiocomputeracademy.com or info@ohiocomputeracademy.com, or call 614-927-0647 or +1-866-648-7284.

TECHCRED PROGRAM INFORMATION

The State of Ohio's TechCred program is administered by the State of Ohio. Application periods, eligibility requirements, credential listings, and reimbursement amounts are published and updated by the State. Employers should verify current requirements on the official State of Ohio website.

> **State of Ohio's TechCred program**
> https://development.ohio.gov/business/workforce-development/tech-cred

ELIGIBLE TRAINING PROVIDER

Ohio Computer Academy is listed as an eligible TechCred training provider on the State of Ohio's TechCred website.

Employers should verify the applicable credential and current program requirements directly with the State of Ohio before applying, enrolling employees, or incurring training costs.

STATE-REGISTERED CAREER SCHOOL

Ohio Computer Academy is registered with the Ohio State Board of Career Colleges and Schools, **School Registration No. 2395**. Registration does not constitute endorsement, recommendation, approval, or certification by the TechCred Program, the State of Ohio, or any State agency.

IMPORTANT NOTICES

- Inclusion on the State of Ohio's list of eligible TechCred training providers does not constitute endorsement, recommendation, approval, or certification of Ohio Computer Academy by the TechCred Program, the Ohio Department of Development, the Governor's Office of Workforce Transformation, or the State of Ohio.
- Employer eligibility, credential eligibility, awards, and reimbursement are determined exclusively by the State of Ohio. Program requirements and amounts may change. Employers should verify current requirements on the official State of Ohio website before applying, enrolling employees, or incurring training costs.

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START YOUR LEARNING JOURNEY TODAY!

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Live Online or In Person
Hands-On

16 hours | 6 Modules

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Programming for Data Science with Python

5900 Sawmill Road, Suite 150, Dublin, OH 43017 | MBE Certified Organization

ENROLL NOW!