

Course Catalog

Since 1990, [Vijay Computer Academy \(VCA\)](#) has been a global leader in IT education and training, dedicated to preparing learners for high-skill, high-growth careers in the technology sector.

Our mission is to close the digital divide and promote economic mobility by delivering practical, in-demand technology programs that serve diverse populations—including youth, adult, career changers, underserved communities, and lifelong learners. VCA offers a variety of short-term IT training programs and customized training that combine hands-on learning with real-world relevance in fields such as cybersecurity, data analytics, database administration and software testing and more.

VCA is committed to advancing digital inclusion and economic mobility by partnering with workforce boards, nonprofit organizations, CBOs, schools, and employers. We also support learners with job readiness / career support resources and pathways to entry level employment.

With a learner-centered approach, experienced instructors, and a strong focus on outcomes, Vijay Computer Academy is your trusted partner for unlocking opportunities in today's digital economy.

Our Career and Workforce focused IT training programs:

1. **Data Analytics**
2. **Cybersecurity**
3. **Software Testing**
4. **Database Administration**



GLOBAL IT EDUCATION

**TRANSFORMING & EMPOWERING LIVES THROUGH WORLD-CLASS
IT EDUCATION & TRAINING TO BUILD A BETTER TOMORROW!**

Prerequisites

Our programs are open to all, and do not require any prior IT skills or tech experience.

Working knowledge of the English language is required.

How is the program taught?

We offer IT training through live, instructor-led online **classes over Zoom**.

Class Schedule: Monday to Friday, 1-2 hours per day

Class Time:

- 8:00 to 10:00 AM CST
- 7:30 to 9:30 PM CST

Program Descriptions

1. [Data Analytics Bootcamp](#)

Reskill or upskill with our live, instructor-led online **data analytics bootcamp** — beginner-friendly, budget-friendly, and designed to train you on employer desired data skills in just 24 weeks (**240 hours**).

Data Analytics Course Curriculum

- Computer Fundamentals & MS Windows
- Basic Excel for Data Analysis
- Advanced Excel for Data Analysis
- Databases, Oracle & SQL Basics
- Advanced SQL for Data Querying
- Power BI for Data Visualization
- Tableau for Data Visualization
- Introduction to Python
- Data Analytics Through Python
- Capstone Project
- Certification Prep

Upon successful completion of the bootcamp, students:

- ✓ Earn Data Analytics Bootcamp Completion Certificate
- ✓ Will be ready to pursue industry-recognized IT certifications:
 - [Tableau Desktop Specialist](#)
 - [Microsoft Office Specialist: Excel Associate \(Microsoft 365 Apps\)](#)
 - [Oracle Database 12c SQL Certified Associate](#)
 - [Microsoft Certified: Power BI Data Analyst Associate](#)
- ✓ [Receive AI-powered resources](#) to identify entry level or remote jobs

Career Outcome

Completing an industry-aligned data analytics bootcamp and earning in-demand certifications opens the door to your IT career in data analytics, a field projected to grow 23% by 2031 (U.S. Bureau of Labor Statistics, 2023).

Explore the top IT roles our program can help you prepare for in 24 weeks.

- Data Analyst
- Database Administrator
- Power BI Analyst
- Business Analyst
- Medical / healthcare analyst
- Financial Analyst
- Marketing Analyst

2. [Cybersecurity Bootcamp](#)

Reskill or upskill with our live, instructor-led online **cybersecurity bootcamp** — beginner-friendly, budget-friendly, and designed to train you on employer desired data skills in just 15 weeks (**150 hours**).

Cybersecurity Course Curriculum

- **Cybersecurity Foundations**

Course Introduction, Cybersecurity Basics, Networking Fundamentals, OSI & TCP/IP Models, IP Addressing & Subnetting

- **Cyber Threats & Defense Mechanisms**

Types of Cybersecurity, Vulnerability Management, Ethical Hacking (CEH), Penetration Testing Lifecycle & Tools

- **Security Tools & Technologies**

Python for Cybersecurity, Cloud Security (AWS), Identity & Access Management, Cryptography

- **Governance, Risk & Response**

Incident Response, Governance-Risk-Compliance (GRC), Security in DevOps (CI/CD), OWASP Top 10

- **Capstone & Certification Prep**

Final Project to apply skills and preparation for certification exams

Upon successful completion of the bootcamp, students:

- ✓ Earn Cybersecurity Bootcamp Completion Certificate
- ✓ Will be ready to pursue industry-recognized IT certifications:
 - [CompTIA Security +](#)
 - [ISC2](#)
 - [Certified Ethical Hacker \(CEH\)](#)
- ✓ [Receive AI-powered resources](#) to identify entry level or remote jobs

Career Outcome

Completing an industry-aligned cybersecurity bootcamp and earning in-demand certifications opens the door to your IT career in cybersecurity, a field projected to grow 32% by 2032 (U.S. Bureau of Labor Statistics, 2023).

Explore the top IT roles our program can help you prepare for in 15 weeks.

- Cyber Security Support Technician
- Cyber Defense Analyst
- IT Auditor
- Penetration & Vulnerability Tester

3. Software Testing Bootcamp

Reskill or upskill with our live, instructor-led online **software testing bootcamp** — beginner-friendly, budget-friendly, and designed to train you on employer desired data skills in just 24 weeks (**240 hours**).

Software Testing Course Curriculum

- **Tech & Programming Foundations**

Basics of Computer, Object-Oriented Programming

- **Databases & SQL**

PLT (Programming Logic & Techniques), Database Concepts, Oracle, SQL

- **HTML, CSS & JavaScript for Manual and Automation Testing**

- **Introduction to Python Programming**

- **Software Testing & QA**

Manual Testing, Quality Management

- **Test Automation with Selenium using Python**

- **Capstone & Certification Prep**

Final hands-on project and preparation for certification exam

Upon successful completion of the bootcamp, students:

- ✓ Earn Software Testing Bootcamp Completion Certificate
- ✓ Will be ready to pursue industry-recognized IT certifications:
 - [ISTQB Foundation Level Exam for ISTQB CTFL Certification](#)
 - [Oracle Database SQL Certified Associate Certification](#)
- ✓ [Receive AI-powered resources](#) to identify entry level or remote jobs

Career Outcome

Completing an industry-aligned software testing bootcamp and earning in-demand certifications can launch your career in software development or quality assurance—fields projected to grow 25% by 2032, with around 153,900 job openings expected each year (U.S. Bureau of Labor Statistics, 2023).

Explore the top IT roles our program can help you prepare for in 24 weeks.

- QA Tester
- QA Analyst
- Manual Tester
- Automation Tester

4. Database Administration

Gain hands-on database administration skills in just **90 hours (9 weeks)**.

Curriculum

- Basics of Computer, Windows
- Programming Techniques
- Introduction to Database Management Systems
- Database Architecture and Modeling
- Entity Relationship
- Relational DBMS Model
- Database Normalization
- Relational Algebra & Relational Calculus
- Introduction to SQL
- Backup and Recovery
- Database Security and Integrity
- Oracle

Program Outcome

- ✓ Earn Database Administration Bootcamp Completion Certificate
- ✓ Upon completing the bootcamp, students are ready to pursue the following certification exams:
 - [Oracle Database SQL Certified Associate Certification](#)
- ✓ [Pathway to entry level job opportunities](#) through our partner YUPRO Placement
- ✓ [VCA AI-powered job search resources](#) to navigate the job market

Career Outcome

Database skills are in high demand in the U.S., with the Bureau of Labor Statistics projecting a 4% growth for database administrators and architects from 2024 to 2034, translating to about 7,800 job openings annually due to retirements and role transitions. Professionals with strong database expertise are highly valued, often earning significantly more than those without these skills, as companies increasingly rely on data-driven decision-making across industries.

Entry Level Job Roles

- Database Administrator
- Database Developer
- SQL Associate
- SQL Developer
- Database Operations Associate

5. Microsoft Office

Learn basic computer skills in 40 hours (8 weeks)

Curriculum

- Computer Fundamentals
- Microsoft Windows and Internet
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Outlook

Career Outcome

In today's workplace, MS Office skills are essential across virtually every industry, enabling professionals to create documents efficiently, manage emails, analyze data, and deliver impactful presentations. Proficiency in tools like Excel, Word, and PowerPoint not only boosts productivity and collaboration but also enhances professional credibility. These skills open doors to a wide range of roles—from administrative and support positions to data analysis, project management, and finance—while providing a strong foundation for learning more advanced digital tools. With MS Office expertise, individuals become more competitive in the job market, increase their career growth potential, and position themselves for higher earning opportunities.

Hot jobs that require MS Office skills

- Sales Representative
- Computer Operator / Customer Service
- Business / Data / Supply Chain / Market Research Analyst
- Project / Office Manager
- Administrative Assistant / Office Assistant / Executive Assistant / Secretary
- Human Resources Analyst

6. Excel & Advanced Excel

Learn basic to advanced Microsoft Excel skills and their practical applications with the help of expert instructors in **40 hours (8 weeks)**.

Curriculum

- Microsoft Excel
- Advanced Microsoft Excel

Career Outcome

Excel skills are highly valuable in today's data-driven workplace, as they enable professionals to organize efficiently, analyze, and visualize data, automate tasks, and make informed decisions. Mastery of Excel—including formulas, pivot tables, charts, and data modeling—boosts productivity, accuracy, and problem-solving capabilities across industries. These skills are essential for roles in finance, data analysis, business operations, project management, and marketing, making professionals more competitive in the job market. With Excel expertise, individuals can pursue high-demand positions such as data analyst, financial analyst, business analyst, and supply chain analyst, offering strong career growth potential, cross-industry opportunities, and higher earning prospects.

Hot jobs that require MS Office skills

Excel is versatile, so even roles that aren't "data-heavy" often benefit from Excel skills for reporting, organizing, and tracking information.

- Administrative Assistant / Executive Assistant
- Customer Service Representative (tracking data, reports)
- Sales Coordinator / Sales Support
- HR Assistant / HR Coordinator (employee data, reports)
- Office Clerk
- Inventory / Logistics CoordinatorMarket Research Analyst
- Supply Chain Analyst
- Human Resources Analyst etc

Other Certificate Programs

- [Tableau](#)
- [Power BI](#)
- [Data Analytics through Python](#)

Criteria for Successful program Completion

Attendance & Participation

- Minimum 80% attendance across all instructional hours.
- Active participation in class discussions, labs, and group activities.

Coursework Completion

- Completion of all assignments, projects, and labs as per the curriculum.
- Timely submission of deliverables and meeting minimum quality standards.

Skills Proficiency

- Achieving at least 70% proficiency on practical skill assessments, quizzes, or tests.

Capstone Project / Final Assessment

- Successful completion and presentation of the final project.
- Demonstrates understanding of core skills and tools taught in the specific program.

New cohorts every month. Check [our website](#) for upcoming cohort dates.

Program Tuition and Funding

- **Self Payment Options (through Zelle or PayPal)**
 - Upfront / Lumpsum payment
 - Monthly Payment Plan from 3 to 12 months
 - PayPal financing option

- **Funding Options**
 - [WIOA](#) (For workforce qualified individuals living in the USA)
 - TWC - VRS (For VRS qualified individuals living in Texas, USA)

Contact Us

- [Inquiry Form](#)
- Book a [FREE call with our admission team](#)
- Schedule a [personalized career consultation](#)
- Call / Text / WhatsApp us at [+1-832-469-1314](#)
- [Free info sessions and trial class](#)