Transf tech
A C A D E M Y

BUSINESS ANALYST
COURSECURRICULUM

ABOUT TRANSFOTECH ACADEMY

Transfotech Academy is a New York-based coding bootcamp academy with its headquarters located in Queens, NY. We specialize in delivering academically styled IT courses physically at our New York-based campuses and globally through our online platform.

Our unique six-step process sets us apart from other boot camps nationwide.
We have been ranked #1 in Cybersecurity within New York City by many mainstream media outlets. We work jointly with Queens College under the City University of New York (CUNY).

As an academy, we are committed to offering hands-on, tailored, and industry-specific course curricula, which help us stand out in a crowded field. Our industry experts, with decades of experience in the IT industry, design the course curricula. Over time, cybersecurity has evolved significantly. Our experts have gone beyond their expertise to prepare a unique curriculum that will master individuals' learning. This curriculum will indeed help anyone become a successful Cybersecurity Professional in less than six months.

Transfotech Academy's parent company, Transfotech Inc., is an authorized employment agency in the state of NY. Transfotech Inc. has partnerships with over 100 of the US's mid- to large-sized staffing agencies, including some Fortune 500 companies like Capital One, JP Morgan Chase, IBM, Nationwide Insurance, Bank of America, TCS, Collabera Inc., Sugeti, Dell, HP, and more.

We provide job placement assistance to all our graduates. Our well-trained recruitment staff assists our students with the job search process. They also build standout resumes for our students and guide them through the job interview process. We understand that looking for a job in a new field can be very challenging. At Transfotech Academy, we work hard alongside our students to help them achieve their career goals.

OUR UNIQUE SIX-STEPS PROCESS

We achieved our rank and reputation because of our academic style, course curricula, unique 6-step process, internship options at the end of the training, and job placement records. Recently, we became a partner with the most reputed university system, City University of New York (CUNY) – Queens College, offering joint courses.

Let us introduce our 6-step process, the reason why our students have the highest success rate!

#1
Career Counseling and Goal Setting

Students meet with one of our experienced career advisors, who evaluates their current situation and discusses goals and roadmaps. The meeting's intent and purpose are to provide personalized attention and plan a realistic and achievable roadmap. Even after the class starts, career advisors remain available on an on-demand basis.

#2
Enrollment

We have a simple enrollment process. After the meeting with a career advisor, students sign up for an online-based Student Enrollment Agreement and an Income Share Agreement (ISA) contract. At this stage, students also receive an invoice for the first installment. Once enrolled, students get access to 40 hours of instructor-led lectures, lab practices, and class notes. We also have a Learning Management System (LMS). All the class recordings, notes, and assignments become available in the LMS.

#3
Lectures and Labs

All our courses are instructor-led and follow a set class schedule. Often, the classes are blended with pre-class content sharing and live lectures. Each session is 2 to 3 hours long, mostly held two days a week.

#4
Internship

After completing training, we arrange a two to four-week-long internship with a real company where students work with an entire software development team on a complete project. We currently work closely with 12-15 mid-sized software development firms that hire our students for mini-internship projects.

#5
Resume Building and Interview Prep Session

A resume is the key to securing an interview. 40% to 60% of highly qualified candidates do not make it to the interview stage due to AI-based automatic resume scanning tools and processes that employers use. Our resume coaches have in-depth industry knowledge. They know how to highlight the skills and achievements employers are looking for in a candidate's resume. During the interview preparation sessions, students meet our interview coaches. They go through a process of technical screening to assess individual interview strengths. They analyze technical skills, communication skills, and confidence levels. Based on that analysis, they provide the necessary guidelines. Students also receive instructions about the current job market, interview manners, and the differences between client and vendor interactions.

#6
Resume Marketing & Job Placement

Resume marketing and job placement is another area of our strength. Over the last eight years, we have developed working relationships with 100+ staffing partners and 30+ clients, including Capital One, Chase, IBM, Capgemini, Collabera, Tech-System, and Apex System. Once a student is ready to enter the job market, we assign a recruiter who provides guidelines throughout the job-hunting process. To extend the chances of getting hired, we create online profiles on LinkedIn, Dice, Monster, Indeed.com, and other platforms.

Course Curriculum Overview

Session 1

1. Introduction to Business Analysis
2. What is Business Analysis?
3. What is a Business Analyst?
4. Fundamentals Knowledge of Business Analysis
5. Day-to-Day of a Business Analyst
6. Roles around a Business Analyst
7. Role of a Developer
8. Role of a Tester
9. Project Life Cycle
10. Meeting Minutes

Session 2

1. Software Development Life Cycle (SDLC)
2. Software Development Life Cycle (SDLC)
3. Stages of Software Development Life Cycle (SDLC)
4. SDLC Methodologies

Session 3

1. Requirements and Testing
2. Requirements
3. What are Functional Requirements?
4. Functional Testing
5. What are Non-Functional Requirements?
6. Non-Functional Testing

Session 4

1. Testing and Defect Management
2. What is a Test Case?
3. Writing Test Cases
4. Types of Test Cases Business Analysts Do
5. Software Testing Life Cycle (STLC)
6. Defect Management
7. Defect Management Process
8. Defect Management Tools
9. Examples

Session 5

1. Requirements Documentation and Elicitation
2. What is Gap Analysis?
3. Business Requirement Document (BRD)
4. Contents of a Business Requirement Document
5. Elicitation & Requirements Gathering
6. Requirements Gathering Techniques (5W1H)
7. How Do We Prioritize Requirements?
8. MoSCoW
9. Types of Documents

Session 6

1. Project Types and Pre-Project Phase
2. Types of Projects
3. Types of Requests
4. Scope
5. Pre-Project Phase
6. Service Level Agreement (SLA)
7. Requirement Introduction

Session 7

1. Business Process Modeling and UML
2. Business Process Models (BPM)
3. Business Process Model and Notation (BPMN)
4. What are Swim Lanes?
5. What is Unified Modeling Language (UML)?
6. What are Wireframes?
7. What are Prototypes?
8. What are Mock-ups?
9. What are Use Cases?
10. Requirements Traceability Matrix (RTM)

Session 8

1. Agile Methodologies
2. What is Agile?
3. Agile Model
4. What is Scrum?
5. What is a Sprint?
6. What is Sprint Planning?
7. What is a User Story Grooming Session?

Session 9

1. Advanced Agile Concepts
2. User Story Writing Examples
3. What is an Epic?
4. What is a Task?
5. What is INVEST Criteria?
6. What is Velocity?
7. What is Planning Poker?
8. What is the Fibonacci Sequence?

Session 10

1. Scaled Agile Framework (SAFe) and Practical Applications
2. What is SAFe Agile?
3. Video Sharing Terms
4. Mock Project (BRD)

Session 11

1. Database Concepts and SQL
2. Database Concepts & SQL Overview
3. Concepts of Database
4. Example of Database vs. Relational Database
5. What is DBMS?
6. Data Mapping

Session 12

1. Data Analytics and Business Intelligence
2. Introduction to Data Analytics
3. Importance of Data-Driven Decision Making
4. Business Intelligence Tools and Techniques
5. Basic Concepts of Data Visualization

Our Instructors

Zakir Hossain

Professor

International American University (IAU), LA, USA

Zakir Hossain is a seasoned professional with a wealth of experience as a Business Analyst for several Fortune 500 companies. Formerly a Professor at International American University (IAU), Zakir is passionate about helping individuals secure employment in the tech industry. As an instructor at Transfotech Academy, he has empowered numerous non-coders to successfully transition into tech careers. His dedication to student success and industry expertise make him an invaluable asset to our team.

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