TEXAS McCombs
The University of Texas at Austin
McCombs School of Business

Great Learning

POST GRADUATE PROGRAM IN
CLOUD COMPUTING

90+ CLOUD SERVICES

PREPARATION FOR CERTIFICATION EXAMS (OPTIONAL)

360° PROGRAM SUPPORT

THE RISE AND RISE OF CLOUD COMPUTING

In today's fast-paced data-driven world, cloud technology has emerged as an important growth-driver for businesses. It is transforming the way businesses operate by enhancing agility, scalability, innovation and customer experiences. With the advancement in AI-driven technologies like ChatGPT, the need to process real-time data for the end-user is on the rise. Cloud infrastructure provides the compute and flexibility required to support these emerging technologies. Companies are looking for skilled professionals who can effectively manage cloud infrastructure, making it one of the fastest growing jobs in the tech industry.

$2 TRILLION+

Estimated Cloud Computing market size in the coming years

Source: Precedence Research (2023)

44% ENTERPRISES

Stated "finding qualified candidates" as the top challenge in addressing cloud skills gaps

Source: Precedence Research

81% COMPANIES

Have a multi-cloud strategy

Source: Gartner

30%

Year-over-year growth rate of Cloud Computing-related roles - one of the fastest-growing jobs in tech

Source: LinkedIn

POST GRADUATE PROGRAM FROM A TOP-RATED UNIVERSITY

The Post Graduate Program in Cloud Computing offered by UT Austin in collaboration with Great Learning empowers professionals to fast-track their careers in Cloud. In this 6-month intensive experiential learning program, learners get access to top-rated on-demand video lectures by the leading faculty, hands-on exercises, and live mentor-led sessions to reinforce their learnings with an industry perspective.

The program is carefully designed in collaboration with industry leaders to help you become a well-rounded, cross-platform cloud professional. Through a combination of expert lectures, demos, hands-on labs, and projects, you will build solutions the industry expects from you as an expert cloud professional.

FLIPPED LEARNING
Recorded Lectures
+ Live Mentored Learning

HANDS-ON LEARNING
85+ Kinaesthetic Learning Options

COMPREHENSIVE CURRICULUM
90+ Cloud Services Covered

PREPARATION FOR CERTIFICATION EXAMS
Prepare for AZ-104 with an Optional Paid Program

PERSONALIZED SUPPORT
Guidance from Experts & Dedicated Program Support

UT AUSTIN ADVANTAGE
Certificate of Completion from UT Austin, Ranked **#3**

AZURE ADMINISTRATOR ASSOCIATE (AZ-104) CERTIFICATION PREPARATION (OPTIONAL)

The Microsoft Azure Administrator Training Program prepares learners for the AZ-104 examination, paving the way for career growth in Cloud Computing. With these skills, individuals can seamlessly transition into roles as Azure Administrators.

INSTRUCTOR-LED TRAINING
Live Sessions with Microsoft Certified Instructors

PERSONALIZED SUPPORT
Dedicated Academic & Program Support

EXAM STRATEGIES
2 Weeks of Intensive Exam Preparation and Expert Strategies

QUESTION BANK
Latest Question Bank with 200+ Practice Questions

MOCK TESTS
Mock Tests to Assess your Skills and Knowledge

Showcase your competence with a Certificate of Completion from Great Learning.

THE UT AUSTIN ADVANTAGE

Founded in 1883 and home to more than 51,000 students and 3,000 teaching faculty, The University of Texas at Austin is one of the leading public universities in the United States. The UT Austin name is globally-recognized as a leader in the domains of science, business, technology, and social science.

The McCombs School of Business at UT Austin is a leading business school that is committed to developing innovative business leaders who can create value for society. The school's legacy is grounded in its commitment to excellence in research and teaching, and its alumni include some of the most successful business leaders in the world. With a proven track record of success, cutting-edge research, and teaching methods, you can be confident that you are learning from the best.

#3 QS WORLD UNIVERSITY RANKINGS FOR MS IN BUSINESS ANALYTICS

#6 FINANCIAL TIMES, EXECUTIVE EDUCATION - CUSTOM PROGRAMS

#7 US NEWS & WORLD REPORT FOR MS IN BUSINESS ANALYTICS

WHO IS THIS PROGRAM FOR?

- **TECH CAREER ADVANCERS**
  Professionals who want to upskill and grow in their current role in Cloud Computing

- **CAREER TRANSITIONERS**
  Professionals who want to transition into a new job role in the field of Cloud Computing

- **EARLY CAREER PROFESSIONALS**
  Professionals who are just starting out in the tech field, and are determined to make a big leap in their career

PROGRAM OUTCOMES

At the end of this program, you will:

- Become a cloud professional with the ability to work on platform-agnostic and cloud-based solutions
- Become proficient in AWS and Microsoft Azure with an option to learn Google Cloud
- Be able to work with Infrastructure as a Service, Containers, DevOps, Microservices and more
- Develop an understanding of cloud financials and service trade-offs to make better decisions
- Get familiar with the principles of elasticity and concepts of high availability and resiliency among others
- Acquire the skills required to crack the Azure Administrator Associate (AZ-104) Certification examination*

**Optional Microsoft Azure Administrator Training Program*

UNLOCK A HIGH-GROWTH CAREER IN TECH

CLOUD ENGINEER	CLOUD NATIVE DEVELOPER
$130,706 Average salary of a professional who oversees the hands-on implementation, operation, and daily management of cloud infrastructure and services. *Source: Talent*	**$128,365** Average salary package of a professional who specializes in building applications specifically designed to operate in cloud environments. *Source: ZipRecruiter*
CLOUD ARCHITECT	**PRINCIPAL ARCHITECT**
$150,340 Average salary package of a professional who designs and plans high-level cloud solutions aligned with organizational goals. *Source: Talent*	**$176,363** Average salary of a professional who combines leadership, strategic thinking, and deep technical expertise to shape and drive the cloud architecture of an organization *Source: Glassdoor*

Additionally, the following non-technical job roles also stand to benefit from the program: Cloud Program Manager, Cloud Consultant, Cloud Sales/Pre-Sales Cloud Marketing Specialist, Account Manager, Cloud Product Manager, and CxO/Director.

Note: All salaries mentioned are in USD.

INDUSTRY-READY CURRICULUM

Cloud Foundations

General Understanding | Terminology | Degree of Abstraction | Deployment Models | Cost Economics

Cloud Computing with AWS

Compute | Storage | Networking | Elasticity | High Availability

Managed Services on AWS & DevOps

Databases, Cache | Messaging | Serverless | DevOps | Automation

Azure Essentials

Compute | Storage | Networking | Elasticity | High Availability

Managed Services on Azure

Databases | Service Bus | Serverless | Containers | DevOps

COURSE : 1 CLOUD FOUNDATIONS

Understand the evolution of Cloud Computing and learn its basics before diving into the concept of elasticity in the cloud pricing model and an exploration of the ever-expanding landscape of managed services.

KEY TAKEAWAYS

- Learn the basic concepts of Cloud Computing
- Become familiar with the history and evolution of Cloud Computing
- Understand service, delivery and subscription models
- Review the classical enterprise, cloud cost economics and service offerings
- Get introduced to virtualization and its correlation with Cloud Computing
- Learn about cloud service taxonomy and next generation virtualization methods

COURSE : 2 CLOUD COMPUTING ON AWS

Delve into the core building blocks of data center operations, covering compute or VM, storage, and networking and understand the concepts of infrastructure as a service, block and object-based storage.

KEY TAKEAWAYS

- Become familiar with the terminologies & concepts of AWS and acquire proficiency in working with AWS
- Gain a comprehensive understanding of the various services offered by AWS public cloud platform
- Dive into the specifics of compute, storage, and network components within AWS.
- Implement generic Cloud Computing concepts through hands-on experience on the AWS platform.
- Develop the ability to create cloud cost projections using the AWS cost calculator.

SKILLS/TOOLS

- AWS Global Infrastructure
- EC2, Load Balancers, AMI
- EBS, S3, EFS, Volumes, Snapshots
- VPC, NAT, Bastion Hosts, Route53
- Identity & Access Management
- Cost Calculator

COURSE : 3 MANAGED SERVICES ON AWS & DEVOPS

Learn the key concepts of cloud-managed services - managed databases, caching, messaging, and serverless functions and gain expertise in deployment and monitoring on public clouds, containerization, and DevOps concepts.

KEY TAKEAWAYS

- Understand cloud managed services and gain insights into deployment & monitoring of resources work on a public cloud
- Learn to write serverless functions
- Learn the concepts of containerization, docker container system, and deploy applications.
- Learn the basics of DevOps and explore each phase of DevOps through demonstrations.
- Acquire skills to create a DevOps plan, choose the right tools and implement each phase to achieve CI/CD.

SKILLS/TOOLS

- AWS RDS
- AWS Elasticache
- AWS CloudWatch
- SQS, SNS
- AWS Lambda
- Container - Docker
- AWS ECS
- DevOps on AWS
- CI/CD
- Application Deployment
- AWS Cloud Formation

COURSE : 4 AZURE ESSENTIALS

Explore a unique perspective on Cloud Computing, specifically comparing Azure with AWS. Building upon concepts from previous modules, understand infrastructural services on Azure and gain insights into PaaS (Platform as a Service) deployments on Azure.

KEY TAKEAWAYS

- Understand basic concepts of Azure cloud platform
- Learn Azure compute infrastructure
- Learn about network & operations
- Understand Azure serverless computing

SKILLS/TOOLS

- Introduction to Azure and its Services
- Azure Virtual Machines
- Network Security
- Load Balancing
- Virtual Networking
- Azure Storage
- Azure App Services
- API Management
- Container Apps
- Azure Functions

COURSE : 5 MANAGED SERVICES ON AZURE

Dive into Azure's managed services in this module, exploring databases, DevOps, messaging, and more. The key takeaways include insights into Azure data implementation, network & operations, Azure cognitive services, security & governance, and Azure DevOps.

KEY TAKEAWAYS

- Learn about Azure data implementation
- Learn about network & operations
- Understand Azure cognitive services
- Learn about Azure security & governance
- Understand Azure DevOps

SKILLS/TOOLS

- Azure Active Directory
- Azure AD Connect
- Security & Governance
- Azure SQL Database
- Cosmos DB
- Messaging & Event-Based Services
- Data Services Intro
- Building ARM Templates
- Azure DevOps
- Cost Management & Monitoring

MICROSOFT AZURE ADMINISTRATOR TRAINING PROGRAM CURRICULUM (OPTIONAL)

- Prerequisites for Azure Administrators
- Manage Azure Identities and Governance
- Implement and Manage Storage
- Deploy and Manage Azure Compute Resources
- Configure and Manage Virtual Networking
- Monitor and Maintain Azure Resources

ENHANCE KNOWLEDGE WITH SELF-PACED MODULES

CLOUD SECURITY 101 AND MIGRATION

Concepts: Cloud Adoption and Migration, Cloud Security on AWS

BIG DATA MANAGEMENT AND ANALYTICS

Concepts: EMR, Hadoop, Spark

MICROSERVICES

Concepts: Basic Constructs, Interservice Communication, Operations, Failure Handling, 12-Factor App, Load Balancing, Event Driven Architecture, Reactive Extensions, Logging, and Security

ENTERPRISE CLOUD SOLUTIONS

Concepts: Cloud-Based Development Environment, Data Streaming and Data Analytics on Cloud, Kinesis Data Stream, Elastic Beanstalk, and Kubernetes

GOOGLE CLOUD PLATFORM 101 (GCP)

Concepts: Overview of GCP, Google Compute Engine, Instance Groups, Autoscaling, Load Balancers, Storage, VPC, Google App Engine, Cloud SQL, Cloud Datastore, Spanner, and Google Kubernetes Engine

AZURE SECURITY AND GOVERNANCE

Concepts: Azure Active Directory, Key Vault, Azure Governance Services, Managed Identities, and Azure Governance Services

BUILD JOB-RELEVANT SKILLS WITH HANDS-ON EXERCISES

Hands-on learning engages learners through practical, real-world experiences, fostering a deeper understanding of concepts and applicable skills. It is implemented in various ways, including case studies, assignments, and collaborative projects with global learners. Here are a few sample hands-on projects:

CLOUD-BASED FILE SHARE AND SYNC SOLUTION

The solution can be easily scaled up to run in your data center or on a public cloud, with its servers, storage, and other components completely managed and controlled by your IT team in accordance with the company's governance and security requirements.

Concepts: VPC, EC2, Security Group, Internet Gateway, NAT Instance, LAMP Stack, S3 and MYSQL.

BUILDING AN AUTOMATED BUSINESS PROCESS USING MANAGED SERVICES ON A PUBLIC CLOUD

In the connected world, it is imperative that the organizations are interlinked with the customers and vendors. This process has been very sluggish, manual, batch-based, and prone to failures. Such integration design has led to impaired decision-making and delays in the detection of fraudulent actions. This project creates an automated, event-based, real-time process using managed cloud services that do not have these limitations.

Concepts: Amazon S3, SNS, Athena and DynamoDB

SCALABLE GEO-DISTRIBUTED EVENT REGISTRATION APP ON AZURE

The application is a multi-tenant web application that can onboard thousands of corporates and millions of end-users. The app is globally available with automatic geo-failover, as any downtime may cost revenue loss to business as end-users will not be able to register. Email notifications are sent to end-users after successful registration with relevant event information.

Concepts: AppServer Instances, Azure Active Directory, Functions and CDN

BUILDING SCALABLE AND RESILIENT APPLICATIONS.

Creating web applications that are both resilient and scalable is an essential part of any application architecture. A well-designed application should scale seamlessly as demand increases and decreases and be resilient enough to withstand the loss of one or more compute resources.

Concepts: Instance Group, Autoscaler, HTTP Load Balancer, Autohealing and Google App Engine.

DEVOPS PROCESSES

DevOps, which stands for Development Operations, is a process that combines the principles of software development (Dev) and IT operations (Ops) to enable organizations to deliver high-quality software products efficiently. The goal of this project is to familiarize yourself with the various processes involved in deployment using the principles of DevOps.

Concepts: CI/CD, Containers, Autoscaling, IAM

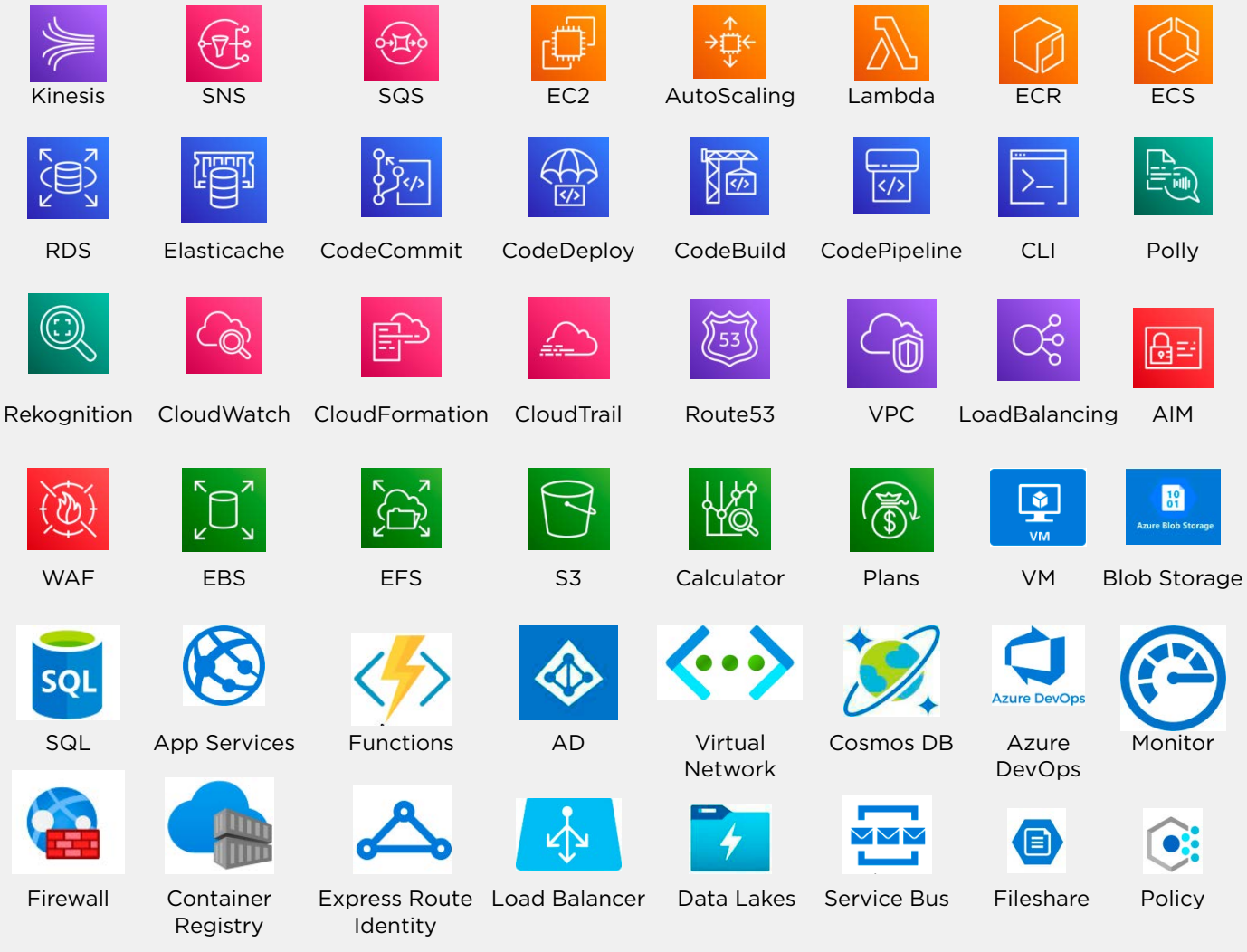
MAKE YOUR OWN GOOGLE

The ability to swiftly access relevant content significantly impacts productivity and outcomes for businesses. Assessing the reliability of your search strategy is crucial for supporting knowledge discovery and ensuring a positive user experience. Engage in a scenario resembling a company dealing with extensive data (PDF files) struggling to locate the most pertinent documents.

Concepts: IaaS, CI/CD, Serverless, Events, Search Engine, Monitoring

> *Note: These are a few sample projects learners can expect. The program offers a diverse range of hands-on exercises.*

Work on industry-relevant projects under the guidance of experts and master in-demand tools and technologies.



360° UNIQUE PROGRAM SUPPORT

With a wide network of seasoned industry professionals and a team of program managers, get unparalleled support and guidance throughout the program.

In the live mentor-led sessions, clarify your doubts, understand intricacies of the tools and their applications and get insights into the cloud industry. On the other hand, the program managers assist you through the learning journey to ensure you achieve your learning objectives. They will act as your sole point of contact during the program, ensuring you receive the appropriate and timely assistance from the ecosystem.

HANDS-ON LEARNING WITH PROJECTS & LABS

Test your understanding with quizzes and work on exercises through labs and projects

HIGHLY RATED ON-DEMAND LECTURES

Recorded video lectures curated by leading faculty and industry experts

PERSONALIZED MENTOR SUPPORT

Attend live, mentor-led sessions to augment your weekly learning experience

UNIQUE PROGRAM SUPPORT

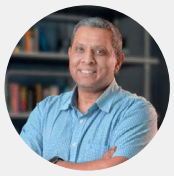
Stay on the track and get answers to all your academic and non-academic queries by a dedicated Program Manager

LEARN FROM THE BEST IN ACADEMIA

Dr. Kumar Muthuraman
Faculty Director, Center for Research and Analytics,
Texas McCombs

Sreeharsha Nippani
Senior Manager, Solutions Architecture
11+ Years of Experience

Jitendra Mishra
Senior Soultions Architect (VP)
11+ Years of Experience



Nirmallya M
Academic Director & Faculty
30+ Years of Experience

Mohit Batra
Microsoft Certified Trainer (MCT)
20+ Years of Experience

Sachin Trivedi
Enterprise Cloud Architect
18+ Years of Experience

Antony John Paul
Platform Engineering Solution Architect
20+ Years of Experience

Samuel Baruffi
Senior Solutions Architect
15+ Years of Experience

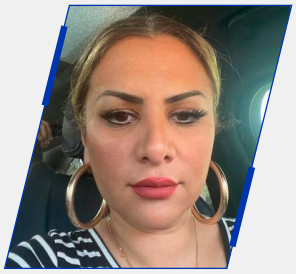
CAREER SUPPORT

E-PORTFOLIO
An e-portfolio is a snapshot of all the projects done and skills acquired during the program that is shareable across social media channels.

RESUME BUILDING & INTERVIEW PREPARATION
Build your resume to highlight your skills and previous professional experience. Also, learn how to crack interviews with interview preparation sessions.

CAREER GUIDANCE
Get access to career mentoring from industry experts who've transitioned to roles in the industry. Benefit from their guidance on how to build a rewarding career.

TRUSTED BY THOUSANDS OF PROFESSIONALS ACROSS THE GLOBE



"I can now work independently on projects and anything involving AWS. The program taught us the basics and then moved on to the advanced level. It is an interactive program, and you feel like you are in a classroom."

- NADA KHAMIS
Senior Cloud Engineer

"The program is well-structured, covering a wide range of Cloud Computing topics from the fundamentals to advanced concepts. The exceptional educators have a knack for breaking down complex topics into digestible chunks. The hands-on experience provided during the program was invaluable as the labs and projects challenged me to think critically, preparing me for the challenges of Cloud Computing."

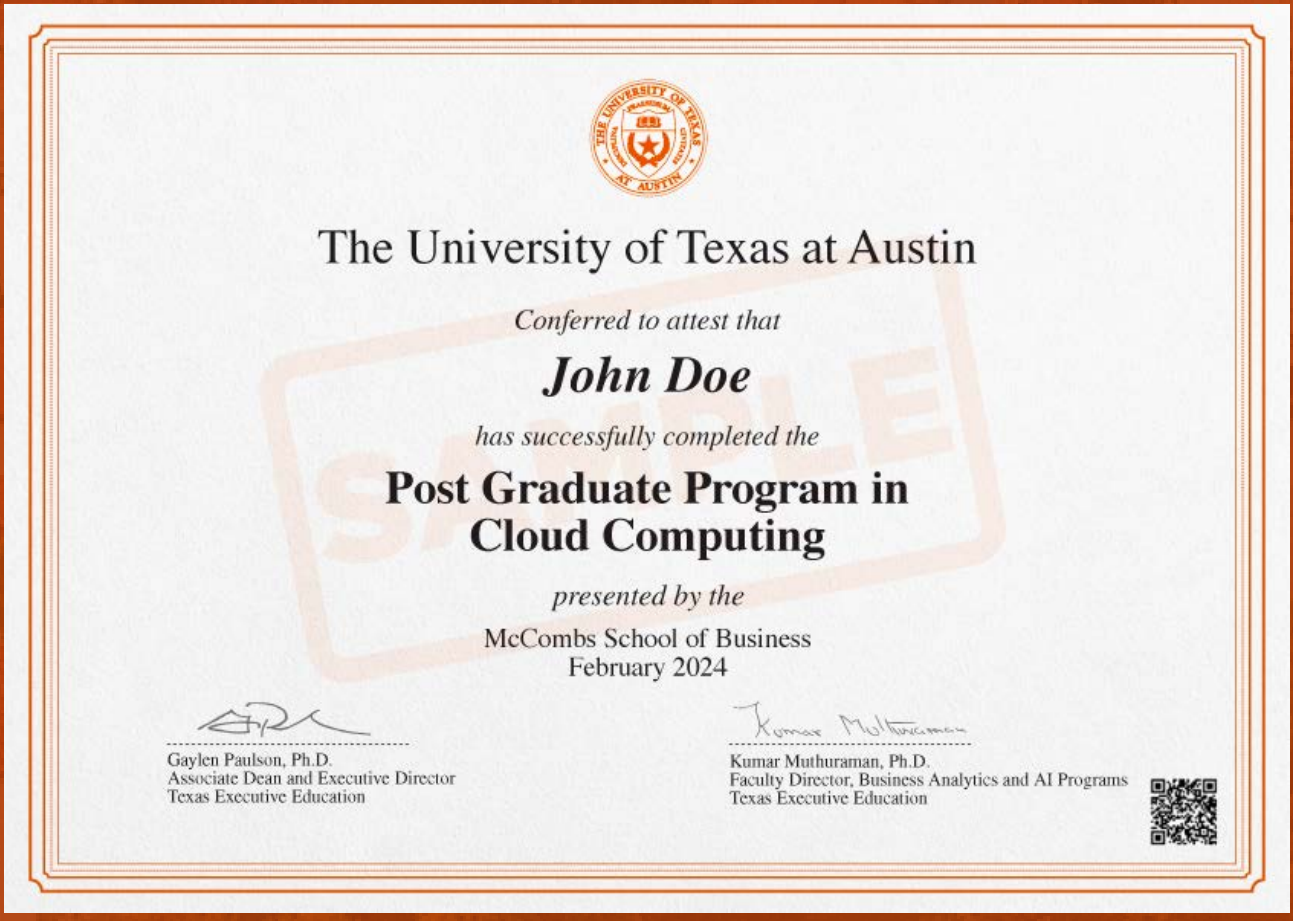
- CHARLES OKAFORMBAH
Blockchain Solutions Architect

"Equipping myself with the knowledge and expertise to navigate platforms like AWS, Azure, and Google Cloud has proven to be an invaluable asset for my career trajectory. The unwavering support and guidance provided by the instructors and program managers have been nothing short of exceptional. I wholeheartedly endorse and recommend this program to aspiring professionals looking to excel in the realm of Cloud Computing."

- ALEXA FRANKLIN
LMS System Manager

CERTIFICATE IN CLOUD COMPUTING FROM UT AUSTIN

Get a globally-recognized post graduate certificate from the McCombs School of Business at UT Austin.



ADMISSION DETAILS

The admission process is conducted on a rolling basis and will be closed once the requisite number of candidates are enrolled in the program.

Fill up an online application form

Eligible applications will go through a screening call

Review of the application form

Release of the offer letter

PROGRAM FEES

Post Graduate Program in Cloud Computing	Post Graduate Program in Cloud Computing + Microsoft Azure Administrator Training Program
$3800	**$5000**

For more information on offers, payment plans and financial assistance eligibility, get in touch with a program advisor.

ABOUT GREAT LEARNING

Great Learning is a leading global ed-tech company for professional and higher education. It offers comprehensive, industry-relevant programs across various cutting-edge Technology, Data, and Business domains. These programs are developed in collaboration with the world's foremost academic institutions such as Stanford Executive Education, MIT Professional Education, Wharton Online, The University of Texas at Austin, Northwestern School of Professional Studies, National University of Singapore, Deakin University, IIT Madras, IIT Roorkee, IIIT-Delhi, Great Lakes Institute of Management, and more. They are constantly reimagined and revamped to address the dynamic needs of the industry. Offered in blended, classroom and purely online modes, these programs are delivered with the help of expert mentors and highly qualified faculty. Great Learning is on a mission to enable transformative learning and career success in the digital economy and has impacted 9.6 million+ learners from over 170 countries.

9.6 Mn+
Learners

170+
Countries

6400+
Industry Experts

3500+
Companies Hire From Us

Best Ed-tech Company of the Year*

* Indian Education Awards 2022

Entrepreneur
EDUCATION INNOVATION AWARDS

Best Online Skills Provider of theYear*

* Entrepreneur, Education Innovation Awards 2022

Best Ed-Tech Company of the Year*

* EdTech Review Awards 2020

READY TO ADVANCE YOUR CAREER?

APPLY NOW

CONTACT US

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Visit Our Website: **onlineexeced.mccombs.utexas.edu**