Course Outline:

Cloud Computing Technologies Introduction *(Course T861)*

**What is this course about?**
This course defines Cloud Computing technologies and establishes a strong working knowledge of the concepts and training for cloud computing technologies needed to work effectively with the cloud. The knowledge you gain will enable you to determine whether the latest cloud technologies are appropriate for your organization from a business and technical perspective, to select appropriate cloud providers, and to plan and implement a cloud adoption strategy.

**Who should attend?**
Anyone seeking to understand the benefits and challenges of cloud computing technologies, including assessing the architectures, components, operation, and tools of cloud computing. This course is designed for those involved in the decision-making and implementation processes of cloud technologies and not for end users. This course is not recommended for IT Leaders or end users looking for a fundamental understanding of cloud computing technologies.

**Duration:**
3 Days

**This course qualifies for:**
1.8 CEUs
17 NASBA CPEs

**Chapter 1: Defining Cloud Computing**
- Setting the Stage
- Defining Cloud Computing
- Delivering Cloud Services
- Deployment Models

**Chapter 2: Discovering the Value of the Cloud**
- Moving to the Cloud
- Technical Benefits of the Cloud
- Business Benefits of the Cloud
- Security Primer

**Chapter 3: Infrastructure as a Service**
- Virtualization
- Compute Services
- Data Storage Services
- Estimating Costs

**Chapter 4: Platform as a Service**
- Selecting a Platform
- Microsoft Azure
Chapter 5: Software as a Service
- Defining SaaS
- SaaS Products and Vendors
- Software Plus Services

Chapter 6: Introduction to Private Clouds
- Private Clouds
- OpenStack Cloud Software
- Other Private Cloud Options

Chapter 7: Planning for the Cloud
- Identifying What to Move to the Cloud
- Barriers to Cloud Adoption
- Tips for Architecting Cloud Systems
- Disaster Recovery Planning
- Planning Checklist

Chapter 8: Course Summary