MICROSERVICE DESIGN

& ARCHITECTURE COURSE

MICROSERVICE ARCHITECT CERTIFICATION

Arcitura® TRAINING
Microservice Design & Architecture

Arcitura® CERTIFIED
Microservice Architect

itcc

PCC PROFESSIONAL CERTIFICATION COALITION

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Arcitura®
OFFICIAL GUIDE

Service Technology School

The Service Technology School from Arcitura provides a formal education and accreditation program dedicated to the fields of Microservices, Service APIs and SOA, including analysis, modeling, design, architecture, security and governance.

For more information and to download the academy catalog, visit the Service Technology School home page:

arcitura.com/st

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Self-study with eLearning

eLearning Made Easy

Helping you achieve success in your education and career goals is our top priority. At Arcitura, we understand that everyone has different requirements and preferences when it comes to self-study.

> All Arcitura courses are available for self-study via eLearning.

> Upon purchasing a course, you receive access via an online interactive eLearning platform.

> To provide you with the greatest flexibility, you will be offered the option of also accessing the course materials via two additional eLearning formats.

> The additional eLearning formats are provided to you upon request and at no extra cost.

arcitura.com/elearning

eLearning Formats

For Everyday Learning

An online interactive eLearning platform with individual lessons, as well as interactive and automatically graded exercises and practice questions.

For Learning On-the-Go

A study kit platform with access to full course documents that support online/offline synching, annotations, comments and custom bookmarks.

For Your Reference

A set of printable PDF documents that you can keep (for all course workbooks and posters).

Each Arcitura eLearning course includes a self-test to help you assess your readiness to take a certification exam. Separate Exam Prep Kits are also available with additional online interactive practice questions that are automatically graded.

INSTRUCTOR-LED TRAINING & COACHING

Arcitura works closely with its network of authorized training partners to provide online and onsite instructor-led training workshops to organizations throughout the world, including many corporations, federal government agencies and numerous Fortune 500 organizations.

Arcitura and its partners have Certified Trainers and supporting staff that are highly experienced in the planning, delivery and management of private and public training events that can be tailored to your learning objectives and scheduling preferences.

arcitura.com/training

Instructor-Led Services

Online Training

Training workshops for Arcitura courses can be delivered by Certified Trainers online via virtual classrooms.

Onsite Training

Training workshops for Arcitura courses can be delivered by Certified Trainers onsite at your location or at an external venue.

Online Coaching

Certified Trainers are available to provide virtual coaching services that can be scheduled on an hourly basis.

For Groups & Individuals

Workshops for Groups or Individuals

Training workshops can be delivered for small and large groups. Online training workshops can also be arranged for individuals.
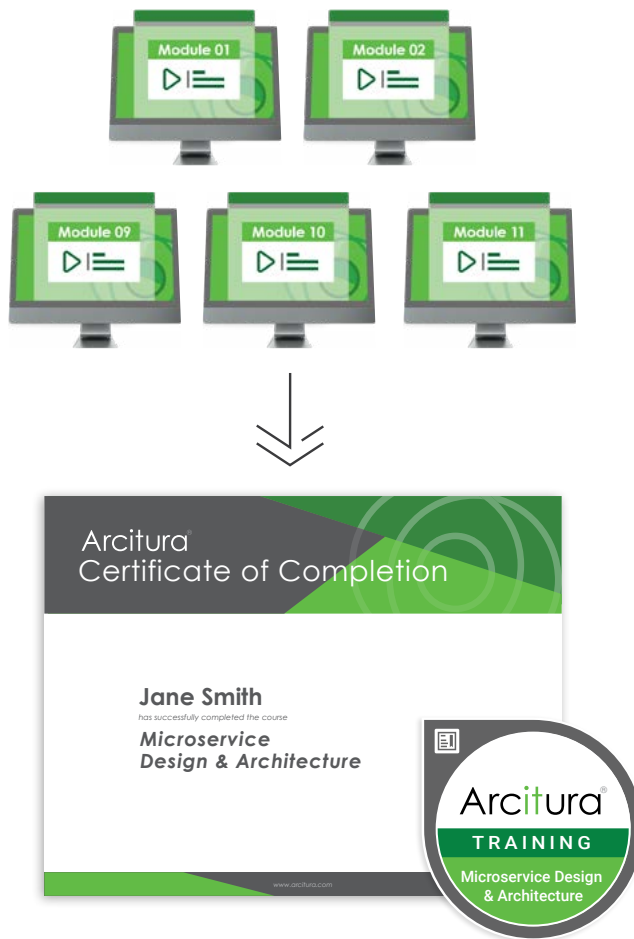
Coaching for Groups or Individuals

Virtual coaching sessions can be arranged for groups and individuals to provide supplementary guidance and to assist with exam preparation.

Training Programs for Multiple Groups

Larger training programs involving multiple groups can be managed and coordinated and further supplemented with ongoing reporting.

HOW TO GET STARTED

The Microservice Design & Architecture course provides comprehensive coverage of microservice technology architecture models and design practices, including containerization concepts. It covers microservice deployment and scaling, provisioning, registration, isolation levels, logical containers, PODs, composition architecture, data management, autonomous ownership and versioning.
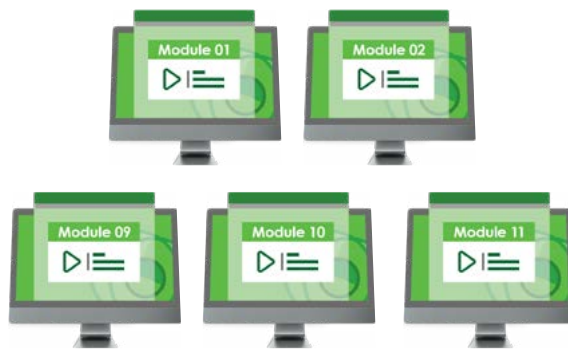
The course is comprised of a set of modules. Each module has a set of lessons and is further supplemented with exercises to help reinforce your understanding of key topics.

Upon completing the course you can obtain a digital certificate of completion, as well as a digital training badge from Acclaim/Credly, with an account that supports the online verification of your course completion status.

Additional resources are available to assist you with completing this course, including downloadable digital course files, printed course materials, coaching hours and instructor-led training services.

The Microservice Design & Architecture course can be used to prepare for the Microservice Architect Certification exam, as explained on the following page.

For more course details, including individual course module topic outlines, visit the Course & Certification webpage via arcitura.com/courses.

Arcitura® CERTIFIED
Microservice Architect

A Certified Microservice Architect has knowledge of the technology architecture models and mechanics of microservice implementations and Containerization environments, as well as an understanding of associated design techniques for engineering microservices.

HOW TO GET CERTIFIED

The Microservice Design & Architecture course prepares you for the official Microservice Architect Certification exam.

Upon attaining a passing grade on the certification exam you will receive an official digital accreditation certificate and a digital certification badge from Acclaim/Credly, with an account that supports the online verification of your certification status.

Additional resources are available to assist you with preparing for the certification exam, including practice exam questions, down-loadable digital course files, printed course materials, coaching hours and instructor-led training services.

To learn more about the Microservice Architect certification bundle that includes the course, exam and practice questions at a discount, visit the Course & Certification webpage via arcitura.com/store.

Arcitura® TRAINING
*Microservice Design & Architecture*

MICROSERVICE DESIGN & ARCHITECTURE COURSE

The Microservice Design & Architecture course provides comprehensive coverage of microservice technology architecture models and design practices, including containerization concepts. It covers microservice deployment and scaling, provisioning, registration, isolation levels, logical containers, PODs, composition architecture, data management, autonomous ownership and versioning.

The Microservice Design & Architecture course is comprised of 5 course modules. Each has an estimated completion time of 10 hours. Shown here are the contents of each course module, followed by the individual course module outlines.

MODULE 01:

Fundamental SOA, Services & Microservices
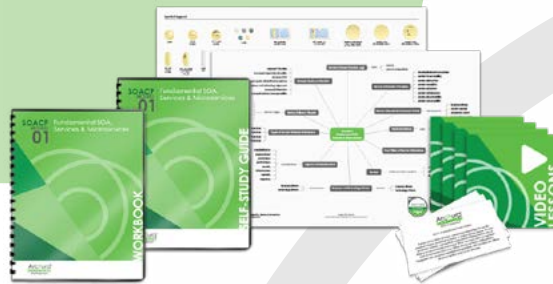
- Workbook Lessons (100+ pages)
- Video Lessons (for all topics)
- Interactive Exercises
- Mind Map Poster
- Symbol Legend Poster
- Practice Exam Questions
- PDFs of Workbook and Posters (printable)

MODULE 02:

Microservice Technology Concepts

- Workbook Lessons (100+ pages)
- Video Lessons (for all topics)
- Interactive Exercises
- Mind Map Poster
- Practice Exam Questions
- PDFs of Workbook and Poster (printable)

MODULE 09:

Fundamental Microservice Architecture & Containerization

- Workbook Lessons (100+ pages)
- Video Lessons (for all topics)
- Interactive Exercises
- Mind Map Poster
- Supplement
- Practice Exam Questions
- PDFs of Workbook and Poster (printable)

MODULE 10:

Advanced Microservice Architecture & Containerization

- Workbook Lessons (100+ pages)
- Video Lessons (for all topics)
- Interactive Exercises
- Mind Map Poster
- Supplement
- Practice Exam Questions
- PDFs of Workbook and Poster (printable)

MODULE 11:

Microservice Architecture & Containerization Lab

- Lab Exercise Booklet
- Mind Map Poster
- Lab Exercise Posters
- Practice Exam Questions
- PDFs of Exercise Booklet and Posters (printable)

Partial Course Available

For those of you that have already completed some of the modules in this course (most likely because they were also part of a different course you completed), a partial version of this course is available. Visit the Partial Courses & Certification Bundles webpage for more information about partial courses.

Fundamental SOA, Services & Microservices
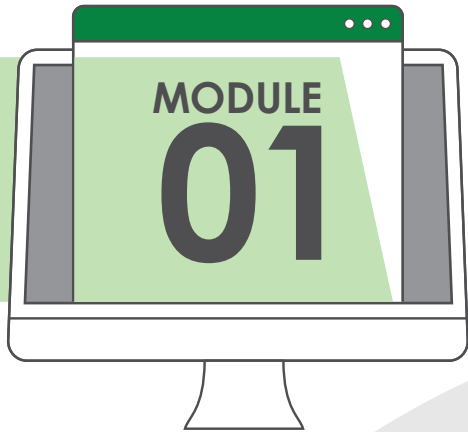
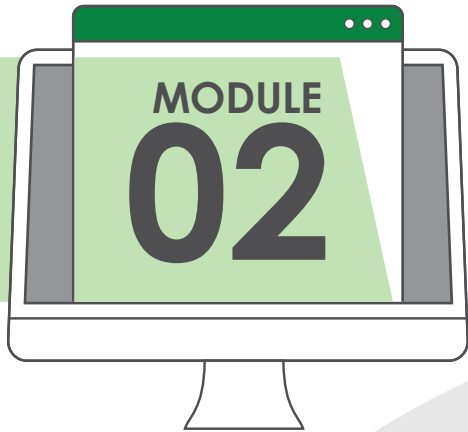**MODULE 01**

This course module provides an easy to understand, end-to-end overview of contemporary service-oriented computing, including concepts and technologies pertaining to modern-day services and microservices, as well as business and technology-related topics pertaining to service-oriented architecture (SOA).

The following primary topics are covered:

- Business and Technology Drivers for SOA, Services and Microservices
- Strategic Goals and Benefits of Service-Oriented Computing
- Plain English Introduction to Services and Microservices
- Fundamental Characteristics of a Service-Oriented Architecture
- Understanding Service-Orientation as a Design Paradigm, including coverage of the Four Pillars of Service-Orientation
- Introduction to Service Layers, Service Models and Service Compositions
- Service Inventories, Service Layers and Service API Governance and Management
- Introduction to Common Service Technologies, including API Gateways, Virtualization, Containerization
- Introduction to Cloud Computing and Cloud Services
- Adoption Impacts and Requirements, including considerations for Governance, Infrastructure, Performance and Standardization

Microservice Technology Concepts
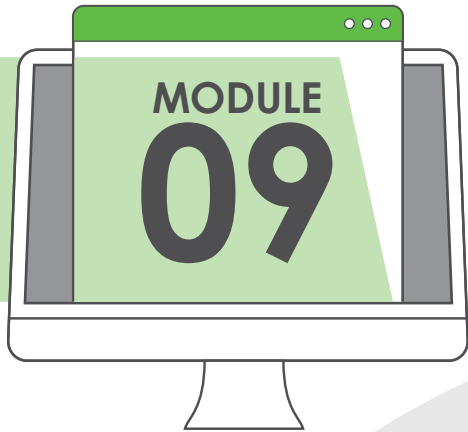
MODULE 02

This course module focuses on modern service technologies, models and concepts that have established de facto implementation mediums for building contemporary services-based solutions. Also covered are fundamental terms, concepts and models pertaining to cloud computing and cloud-based services.

The following primary topics are covered:

- Comparing Service Implementation Mediums
- Service Roles and Service Agents
- Message Exchange Patterns and Service Activities
- Basic XML, XML Schema, JSON and JSON Schema Concepts
- HTTP Methods, Response Codes and Headers
- Basic REST Service Concepts, including Properties and Constraints
- REST Services, Contracts, Resources and Messaging
- Hypermedia and Late Binding
- Basic WSDL and SOAP Concepts
- WS-* Technologies
- Web Service Contracts, Messaging and Registries
- Cloud Computing Concepts
- Vertical and Horizontal Scaling
- Multitenancy, Elasticity and Resiliency
- On-Demand Usage, Ubiquitous Access and Measured Usage
- Public, Private and Hybrid Clouds
- IaaS, PaaS and SaaS

# Fundamental Microservice Architecture & Containerization

MODULE
09

This course module establishes foundational microservice architecture and design principles, and further introduces containerization concepts and container characteristics, along with a series of enabling technologies and technology drivers for cloud-based microservices. A set of fundamental design patterns are provided and the module concludes with an overview of DevOps process and practices.

The following primary topics are covered:

- The following primary topics are covered:
- Introduction to Microservice Architecture
- Common Microservice Design Challenges
- Microservices and Design Granularity
- Microservice Guiding Design Principles
- Introduction to Containerization
- Containerization vs. Virtualization
- Fundamental Container Architecture Elements
- Container Engines, Build Files, Images and Networking
- Microservice Automation, Logging and Monitoring
- Microservice Instance Registration
- Scaling Technology, Basic Scalability Types and Mechanisms
- Technology Drivers for Cloud-based Microservice Deployments
- Micro Task Abstraction and Micro Task Segregation
- Rich Containers and Logical Pod Containers
- DevOps Practices and Benefits
- DevOps Stages and Toolchains
- Domain-Driven Design and Microservices

Advanced Microservice Architecture & Containerization
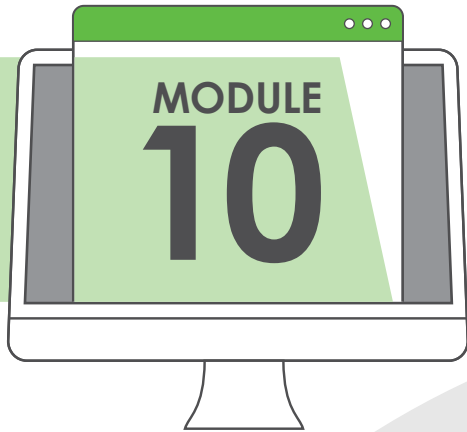
MODULE
10

This course module provides an in-depth exploration of the practices, models and technology architectures behind microservices and containerization.

The following primary topics are covered:

- Microservice Compositions and Compositor Services
- Autonomous Proxy Services
- Shared Isolated Databases
- Microservice Layers and Isolation Levels
- Pre-Defined Data Views
- Microservice Instance Registrations
- Workload Distribution and Service Load Balancing
- Synchronized Cross-Instance Events
- Event-Driven Messaging for Microservices
- Atomic Event Processing and Appended Events
- Centralized Isolated State Databases
- Container Chains
- Single-Node Multi-Containers
- Multi-Container Isolation Control
- Volatile Container Configurations
- Serverless Microservice Deployments
- Dynamic Scalability Models
- Micro Scatter-Gather Compositions
- Leader Node Election for Microservice Instances
- Redundant Microservice Implementations
- Microservice Composition Autonomy
- Container Sidecars and Microservice Ambassadors
- Log Aggregation for Microservices
- Distributed Diagnostics for Microservices

Microservice Architecture & Containerization Lab
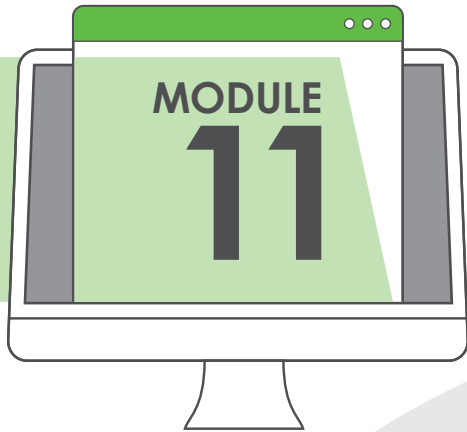
MODULE 11

As a continuation of course modules 9 and 10, this hands-on workshop allows attendees to apply the concepts, processes, techniques, patterns and principles previously covered in order to a complete a set of architectural and design exercises.

Participants are required to analyze case study backgrounds and carry out a series of exercises to solve a number of inter-related problems, with the goal of producing architectural solutions or fulfilling specific solution requirements.

For individual completion of this course as part of the Study Kit, a number of supplements are provided to help participants carry out exercises with guidance and numerous resource references.

The following exercises are provided:

- Reading Exercise 11.1: Case Study Background: Cube Cars
- Lab Exercise 11.2: Establishing a Microservice Scaling Architecture
- Lab Exercise 11.3: Redesigning the CubeSoft Microservices
- Lab Exercise 11.4: Scaling the Customer Notification Microservice
- Reading Exercise 11.5: Case Study Background: XYZ Travel Agency
- Lab Exercise 11.6: Extending the XYZ Microservice Architecture
- Lab Exercise 11.7: Optimizing the Payroll Microservice Architecture
- Lab Exercise 11.8: Designing a New Performance Review Solution

COMPLETE & PARTIAL EXAMS

To attain the Microservice Architect Certification requires a passing grade on the complete Microservice Architect Certification Exam or a passing grade on the partial Microservice Architect Certification Exam and the attainment of the Microservice Professional Certification, as explained below.

Complete Exam Details

The complete Microservice Architect certification exam covers topics from all 5 modules in the Microservice Architect certification track. Purchase this exam if you've taken the Microservice Design & Architecture course and would like to pursue certification as a Microservice Architect, or if you would like to retake this exam to improve your grade.

Because this complete exam encompasses course modules from two certifications, upon passing the exam you will receive official digital certificates and digital certification badges for both the Microservice Professional and Microservice Architect accreditations. If you've already achieved the Microservice Professional certification, then you do not need to take this complete exam. Instead, you can take the partial Microservice Architect exam.

Partial Exam Details

The partial Microservice Architect certification exam covers topics from Modules 9, 10 and 11 in the Microservice Architect certification track.

Purchase this exam if:

- you've taken the complete or partial Microservice Design & Architecture course and
- you would like to pursue certification as a Microservice Architect and
- you've already achieved the Microservice Professional certification.

If you are already a certified Microservice Professional and you pass this exam, you will receive an official digital certificate and a digital certification badge for the Microservice Architect accreditation.

ABOUT THE ARCITURA CURRICULUM

The Arcitura headquarters in Vancouver, Canada from 2012 until the COVID-19 pandemic. Since then, Arcitura staff collaborate remotely, geographically distributed over three continents.

Courses and Modules

> Arcitura's curriculum is comprised of over 50 courses and over 120 course modules.

> Every Arcitura course is comprised of multiple course modules.

> Each course corresponds to a professional certification.

For each course, a separate Official Guide PDF is available for download on the course description page.

arcitura.com/courses

arcitura.com/tracks

Programs, Tracks and Certifications

Arcitura's library of courses and modules is organized into the following programs:
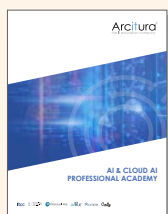
AI & Cloud AI Professional Academy	Digital Transformation Professional Academy	Next-Gen IT Academy	Next-Gen Data Science Academy	Cloud Computing School	Service Technology School
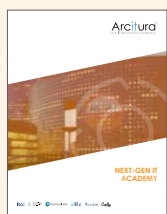
Within each program, modules are organized into tracks. Every course has a track that indicates the order in which course modules should be completed. Each track also corresponds to a professional certification. There are over 50 professional certifications, each of which can be attained by passing a certification exam.
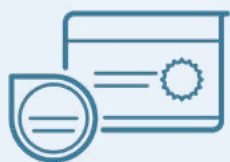
Digital Certificates and Badges

> Upon fulfilling the completion requirements for a course via eLearning or an instructor-led workshop, you receive a digital Certificate of Completion and a digital Training Badge from Acclaim/Credly.

> Upon attaining a certification, you also receive an official digital Accreditation Certificate and a digital Certification Badge from Acclaim/Credly.

arcitura.com/certifications

	COURSES → CERTIFICATIONS ↓	Essential AI / AI Professional	Predictive AI / Predictive AI Specialist	Generative AI / Generative AI Specialist	Agentic AI / Agentic AI Specialist	Predictive AI Engineering / Predictive AI Engineer	Generative AI Engineering / Generative AI Engineer	AI Architecture & Design / AI Architect	AI Professional Consulting / AI Consultant	AI Governance & Ethics / AI Governance & Ethics Specialist	Cloud AI Technology & Automation / Cloud AI Professional*	Cloud AI Architecture & Design / Cloud AI Architect*
MODULE 01	Fundamental Predictive AI	●	●			●		●	●	●	●	●
MODULE 02	Advanced Predictive AI		●			●						
MODULE 03	Predictive AI Lab		●									
MODULE 04	Fundamental Generative AI	●		●			●	●	●	●	●	●
MODULE 05	Advanced Generative AI			●			●					
MODULE 06	Generative AI Lab			●								
MODULE 07	Fundamental Predictive AI Engineering					●			●			
MODULE 08	Advanced Predictive AI Engineering					●						
MODULE 09	Predictive AI Engineering Lab					●						
MODULE 10	Fundamental Generative AI Engineering						●		●			
MODULE 11	Advanced Generative AI Engineering						●					
MODULE 12	Generative AI Engineering Lab						●					
MODULE 13	Fundamental AI Architecture & Design							●	●			
MODULE 14	Advanced AI Architecture & Design							●				
MODULE 15	AI Architecture & Design Lab							●				
MODULE 16	Fundamental Agentic AI				●							
MODULE 17	Advanced Agentic AI				●							
MODULE 18	Agentic AI Lab				●							
MODULE 19	Fundamental AI Governance & Ethics									●		
MODULE 20	Advanced AI Governance & Ethics									●		
MODULE 21	AI Governance & Ethics Lab									●		
MODULE 22	Cloud AI Technology & Automation										●	●
MODULE 23	Cloud AI Architecture & Design											●
MODULE 24	Cloud AI Architecture & Design Lab											●

*The prerequisite for Cloud AI certifications is the attainment of the Cloud Professional certification. See the Arcitura Cloud Computing School curriculum for more information.

Data Science, Big Data & Machine Learning courses are part of the Arcitura Next-Gen Data Science Academy curriculum. Intelligent Automation with AI and RPA courses are part of the Arcitura Digital Transformation Professional Academy curriculum.

Attaining a certification that encompasses all of the course modules also associated with another certification results in the other certification also being automatically awarded.

	COURSES →	Digital Transformation	Digital Transformation: Fundamental Technology	Digital Transformation: Advanced Technology & Architecture	Digital Transformation: Fundamental Data Science	Digital Transformation: Advanced Data Science	Digital Transformation: Fundamental Security	Digital Transformation: Advanced Security	Digital Transformation: Fundamental Intelligent Automation	Digital Transformation: Advanced Intelligent Automation
	CERTIFICATIONS →	Digital Transformation Specialist	Digital Transformation Technology Professional	Digital Transformation Technology Architect	Digital Transformation Data Science Professional	Digital Transformation Data Scientist	Digital Transformation Security Professional	Digital Transformation Security Specialist	Digital Transformation Intelligent Automation Professional	Digital Transformation Intelligent Automation Specialist
MODULE 01	Fundamental Digital Transformation	●	●	●	●	●	●	●	●	●
MODULE 02	Digital Transformation in Practice	●	●	●	●	●	●	●	●	●
MODULE 03	Fundamental Cloud Computing		●	●						
MODULE 04	Fundamental Blockchain		●	●			●	●		
MODULE 05	Fundamental IoT		● (or)	● (or)						
MODULE 06	Cloud Architecture			●						
MODULE 07	Blockchain Architecture			●				●		
MODULE 08	IoT Architecture			● (or)						
MODULE 09	Fundamental Big Data Analysis & Analytics				●	●				
MODULE 10.A	Fundamental Machine Learning				●	●				
MODULE 10.B	Fundamental Predictive AI				● (or)	● (or)			●	●
MODULE 11	Fundamental Generative AI				●	●				
MODULE 12	Advanced Big Data Analysis & Analytics					●				
MODULE 13.A	Advanced Machine Learning					●				
MODULE 13.B	Advanced Predictive AI					● (or)				
MODULE 14	Advanced Generative AI					●				
MODULE 15	Fundamental Cybersecurity						●	●		
MODULE 16	Advanced Cybersecurity							●		
MODULE 17	Fundamental Agentic AI									●
MODULE 18	Fundamental RPA								●	●
MODULE 19	Advanced RPA & Intelligent Automation									●
MODULE 20	Fundamental AI Architecture		●	●						
MODULE 21	Advanced AI Architecture			●						

Attaining a certification that encompasses all of the course modules also associated with another certification results in the other certification also being automatically awarded.

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COURSES	DevOps	Blockchain Architecture	IoT Architecture	Cybersecurity	Robotic Process Automation	Digital Business Technology	Containerization Architecture	Quantum Computing
CERTIFICATIONS	DevOps Specialist	Blockchain Architect	IoT Architect	Cybersecurity Specialist	RPA Specialist	Digital Business Technology Professional	Containerization Architect	Quantum Computing Specialist
DevOps MODULE 01 Fundamental DevOps	●							
MODULE 02 DevOps in Practice	●							
MODULE 03 DevOps Lab	●							
Blockchain MODULE 01 Fundamental Blockchain		●						
MODULE 02 Blockchain Technology & Architecture		●						
MODULE 03 Blockchain Technology & Architecture Lab		●						
Internet of Things MODULE 01 Fundamental IoT			●					
MODULE 02 IoT Technology & Architecture			●					
MODULE 03 IoT Technology & Architecture Lab			●					
Cybersecurity MODULE 01 Fundamental Cybersecurity				●				
MODULE 02 Advanced Cybersecurity				●				
MODULE 03 Cybersecurity Lab				●				
Robotic Process Automation MODULE 01 Fundamental RPA					●			
MODULE 02 Advanced RPA & Intelligent Automation					●			
MODULE 03 RPA Lab					●			
Digital Business Technology MODULE 01 Business Automation Technology Overview						●		
MODULE 02 Data Science Technology Overview						●		
MODULE 03 Digital & Security Technology Overview						●		
Containerization MODULE 01 Fundamental Containerization							●	
MODULE 02 Containerization Technology & Architecture							●	
MODULE 03 Containerization Technology & Architecture Lab							●	
Quantum Computing MODULE 01 Fundamental Quantum Computing								●
MODULE 02 Advanced Quantum Computing								●
MODULE 03 Quantum Computing Lab								●

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Next-Gen Data Science Academy

Arcitura®

	COURSES	Essential Big Data & Data Science	Big Data Analytics & Fundamental Data Science	Big Data Analysis & Advanced Data Science	Big Data Professional Consulting	Data Science Professional Consulting	Machine Learning	Big Data Engineering	Big Data Architecture	Data Science Governance
	CERTIFICATIONS	Big Data Professional	Big Data Science Professional	Big Data Scientist	Big Data Consultant	Data Science Consultant	Machine Learning Specialist	Big Data Engineer	Big Data Architect	Data Science Governance Specialist
MODULE 01	Fundamental Big Data Science & Analytics	●	●	●	●	●		●	●	●
MODULE 02	Big Data Analysis & Technology Concepts	●	●	●	●	●		●	●	●
MODULE 03	Big Data Analysis & Technology Lab		●		●	●				
MODULE 04	Big Data Analysis & Science			●	●					
MODULE 05	Advanced Big Data Analysis & Science			●						
MODULE 06	Big Data Analysis & Science Lab			●						
MODULE 07	Fundamental Machine Learning					●	●			
MODULE 08	Advanced Machine Learning						●			
MODULE 09	Machine Learning Lab						●			
MODULE 10	Fundamental Predictive & Generative AI					●				
MODULE 11	Fundamental Big Data Engineering				●			●		
MODULE 12	Advanced Big Data Engineering							●		
MODULE 13	Big Data Engineering Lab							●		
MODULE 14	Fundamental Big Data Architecture								●	
MODULE 15	Advanced Big Data Architecture								●	
MODULE 16	Big Data Architecture Lab								●	
MODULE 17	Fundamental Data Science Governance									●
MODULE 18	Advanced Data Science Governance									●
MODULE 19	Data Science Governance Lab									●

Artificial Intelligence (AI) courses are part of the Arcitura AI & Cloud AI Professional Academy curriculum. Intelligent Automation with AI and RPA courses are part of the Arcitura Digital Transformation Professional Academy curriculum.

Attaining a certification that encompasses all of the course modules also associated with another certification results in the other certification also being automatically awarded.

CLOUD COMPUTING SCHOOL

Arcitura®

COURSES	Essential Cloud Computing	Cloud Computing Concepts & Technology	Cloud Computing Professional Consulting	Cloud Architecture	Cloud Security	Cloud Governance	Cloud Storage	Cloud Virtualization	Cloud AI Technology & Automation	Cloud AI Architecture & Design
CERTIFICATIONS	Cloud Professional	Cloud Technology Professional	Cloud Computing Consultant	Cloud Architect	Cloud Security Specialist	Cloud Governance Specialist	Cloud Storage Specialist	Cloud Virtualization Specialist	Cloud AI Professional*	Cloud AI Architect*
MODULE 01 Fundamental Cloud Computing	●	●	●	●	●	●	●	●	●	●
MODULE 02 Cloud Technology Concepts	●	●	●	●	●	●	●	●	●	●
MODULE 03 Cloud Technology Lab		●	●							
MODULE 04 Fundamental Cloud Architecture			●	●						
MODULE 05 Advanced Cloud Architecture				●						
MODULE 06 Cloud Architecture Lab				●						
MODULE 07 Fundamental Cloud Security			●		●					
MODULE 08 Advanced Cloud Security					●					
MODULE 09 Cloud Security Lab					●					
MODULE 10 Fundamental Cloud Governance						●				
MODULE 11 Advanced Cloud Governance						●				
MODULE 12 Cloud Governance Lab						●				
MODULE 13 Fundamental Cloud Storage							●			
MODULE 14 Advanced Cloud Storage							●			
MODULE 15 Cloud Storage Lab							●			
MODULE 16 Fundamental Cloud Virtualization								●		
MODULE 17 Advanced Cloud Virtualization								●		
MODULE 18 Cloud Virtualization Lab								●		

This track has the following additional modules from the AI & Cloud AI Professional Academy curriculum: 1, 4, 19

This track has the following additional modules from the AI & Cloud AI Professional Academy curriculum: 1, 4, 19, 20, 21

* Cloud AI certifications are part of the Arcitura AI & Cloud AI Professional Academy curriculum. The prerequisite for these certifications is the attainment of the Cloud Professional certification from the Arcitura Cloud Computing School curriculum.

Attaining a certification that encompasses all of the course modules also associated with another certification results in the other certification also being automatically awarded.

SERVICE TECHNOLOGY SCHOOL

Arcitura®

COURSES	Fundamental Microservices & Service Technology	Fundamental SOA Design with Services & Microservices	SOA Analysis & Modeling with Services & Microservices	SOA Design & Architecture with Services & Microservices	Microservice Design & Architecture	Microservice Professional Consulting	Service API Design & Management	Service Governance & Project Delivery	Security for Microservices & SOA
CERTIFICATIONS	Microservice Professional	SOA Professional	SOA Analyst	SOA Architect	Microservice Architect	Microservice Consultant	Service API Specialist	Service Governance Specialist	Service Security Specialist
MODULE 01 Fundamental SOA, Services & Microservices	●	●	●	●	●	●	●	●	●
MODULE 02 Microservice Technology Concepts	●			●	●	●	●		●
MODULE 03 Design & Architecture with SOA, Services & Microservices		●	●	●				●	
MODULE 04 Fundamental SOA Analysis & Modeling with Services & Microservices			●						
MODULE 05 Advanced SOA Analysis & Modeling with Services & Microservices			●						
MODULE 06 SOA Analysis & Modeling Lab with Services & Microservices			●						
MODULE 07 Advanced SOA Design & Architecture with Services & Microservices				●					
MODULE 08 SOA Design & Architecture Lab with Services & Microservices				●					
MODULE 09 Fundamental Microservice Architecture & Containerization					●	●			
MODULE 10 Advanced Microservice Architecture & Containerization					●				
MODULE 11 Microservice Architecture & Containerization Lab					●				
MODULE 12 Fundamental Service API Design & Management						●	●		
MODULE 13 Advanced Service API Design & Management							●		
MODULE 14 Service API Design & Management Lab							●		
MODULE 15 Fundamental Service Governance & Project Delivery								●	
MODULE 16 Advanced Service Governance & Project Delivery								●	
MODULE 17 Service Governance & Project Delivery Lab								●	
MODULE 18 Fundamental Security for Services, Microservices & SOA						●			●
MODULE 19 Advanced Security for Services, Microservices & SOA									●
MODULE 20 Security Lab for Services, Microservices & SOA									●

Attaining a certification that encompasses all of the course modules also associated with another certification results in the other certification also being automatically awarded.

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The Arcitura Difference

Regardless of whether you are an individual looking to boost your career or an organization looking to up-skill a team, Arcitura courses and certifications provide a sound investment.

> Both courses and accreditations are vendor-neutral, which means they empower you with skills and credentials that you can take to wherever you need to go.

> Arcitura is dedicated to excellence in content quality, which is why courses and exams undergo a common development process and are authored by a dedicated team in collaboration with subject matter experts.

arcitura.com/about

What You Learn from Arcitura Courses

Learn from an Extensive Curriculum

Arcitura provides one of the largest and most comprehensive vendor-neutral IT education programs in the world.

Learn about the Latest in IT

Arcitura courses and certifications cover contemporary topics from an IT industry perspective.

Learn about Real World IT

When you take an Arcitura course you learn about a field of practice as it exists in the real world, not specific to any vendor.

What's in an Arcitura Course
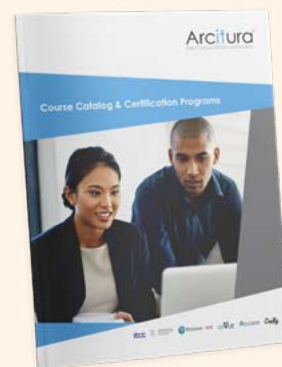
Comprehensive Coverage

Each course provides a comprehensive curriculum with 2-8 modules and 20-80 hours of training.

More Than Just Video Lessons

In addition to standard video lessons, courses include full-color workbooks and reference posters for all lessons.
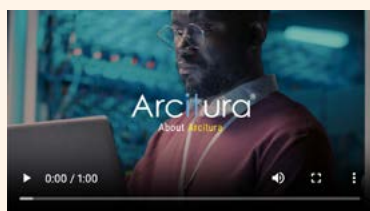
Interactive & Graded Challenges

Courses also include interactive and graded exercises, interactive and graded self-tests and other supplements.

youtube.com/@arcitura

Learn About Arcitura: Take the Video Tour

About Arcitura

0:00 / 1:00

About Arcitura Courses

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About Arcitura Certifications

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