

CPIA CERTIFIED

PRODUCTION AND INVENTORY ANALYST

In an increasingly dynamic and turbulent environment, being able to manage production and inventory becomes essential to creating added value. VCARE academy, the leading value chain organization, offers an important certification with 100% practical and effective knowledge to allow you to be quickly

**quickly operational in the
manufacturing and
production areas.**

About program

Operating within a manufacturing and operations environment and having control over the wide range of manufacturing activities that take place within a typical manufacturing or process industry is a competitive advantage in today's dynamic economy. Gaining this competitive advantage requires being able to identify the various operations within manufacturing and operations, and in turn recognizing the need to initiate and implement a number of continuous improvement initiatives to reduce operating costs and increase throughput.

This program is designed to increase your knowledge of a business environment and in particular the role manufacturing plays in business. The program will provide insights into the many opportunities that exist within manufacturing for well-qualified personnel.

The program covers the role of manufacturing and operations in the 21st century, how manufacturing forms the "engine" of the supply chain, the role of planning and scheduling in manufacturing, the various manufacturing strategies and engineering materials, and the materials management and industrial engineering support functions. Each presents a challenge to those who are engaged in the field of manufacturing and operations.

Program objective

The aim of Certified Production and Inventory Analyst training is to provide the foundation skills and knowledge in the field of manufacturing and operations management.

Certified Production and Inventory Analyst is designed to help you develop an understanding of:

- Introduction to manufacturing and operations management
- Planning and scheduling
- Materials management
- Manufacturing and manufacturing processes
- Manufacturing and operations support functions

Perfect program for:

- **Supply chain operations, production planning, procurement executives, supervisors, managers, and department heads, particularly those at the supervisory level tasked with managing inventories, quality control, product development, R&D, and business planning management activities.**
- Manufacturing personnel, particularly those at an operational level tasked with participating in a manufacturing environment.
- **Individuals wishing to enhance their knowledge of manufacturing, production, planning, methodology of supply chain operations. Employees who may interact with higher-level supply chain leaders and wish to feel on equal footing regarding knowledge.**
- Manufacturing supervision, those entrusted with the operation of a company's manufacturing facilities.
- **Individuals wishing to enhance their knowledge of manufacturing and operations in the 21st Century.**
- Career starters wishing to make manufacturing, production and inventory management a career within the supply chain. Bachelor's and master's level students who wish to supplement an advanced degree with an equally advanced supply chain certification to gain a competitive advantage in the job market.



Program outline

Module 01

Introduction to manufacturing and operations management

- 1.1 Business formation and business strategy
- 1.2 Business functions and activities
- 1.3 Management
- 1.4 Supply chains and customer service

Module 02

Operations planning and scheduling

- 2.1 Forecasting and demand management
- 2.2 Planning and scheduling
- 2.3 Materials planning
- 2.4 Capacity planning

Module 03

Materials management

- 3.1 Purchasing and warehousing
- 3.2 Inventory management and materials handling
- 3.3 Transportation and distribution

Module 04

Manufacturing and manufacturing processes

- 4.1 Manufacturing and technology
- 4.2 Manufacturing strategies
- 4.3 Types of production
- 4.4 Manufacturing processing, and manufacturing materials

Module 05

Manufacturing and operations support functions

- 5.1 Industrial engineering and productivity improvement
- 5.2 Quality, inspection, metrology, and maintenance
- 5.3 Lean and waste management
- 5.4 Continuous improvement

Program includes

- 36 hours of training and an exam preparation workshop
- Body of Knowledge (BoK)
- Certification final exam online with iProctor
- Practise exam(s) access for each module
- One exam retake is free-of-charge if a learner does not pass the exam on the first attempt
- A digital certification certificate will be awarded on passing the final exam
- International certification from VCARE academy
- Professional membership for a period of five years

Innovative learning method

We offer a unique approach to achieving a qualification, tailoring studies to our learners' in accordance with their needs and requirements. We promote best practice and high standards in industry, working to support and assist business and individuals through the implementation of blended learning.

Certification program final exam

- **Duration:** 180 minutes
- **Questions:** 100 – MCQs
- **Examination Mode:** Online proctored
- **Passing Criteria:** 60%
- 1 final exam retake is free-of-charge if unsuccessful in first attempt

Final exam retakes

- If a learner does not pass the exam on the 1st attempt, the 2nd attempt is free within 45 days
- The 3rd attempt will cost USD250 and require at least 30 days' wait
- The 4th attempt will cost USD150 and require at least 45 days' wait

Certification program mode of delivery

- Classroom face-to-face program
- Online live face-to-face program
- OnDemand instructor-led self-paced program

Exam diagnostics to earn your certification

- Introduction to manufacturing and operations management **10%**
- Operations planning and scheduling **15%**
- Materials management **25%**
- Manufacturing and manufacturing processes **30%**
- Manufacturing and operations support functions **20%**

Certification program practice exam(s)

- Self assessment questions for each module
- **Duration:** 30 minutes for each module
- **Questions:** 10 MCQs and 10 T/F in each module
- **Examination mode:** Online
- **Passing criteria:** Self assessment

Paper certificate

The certification package cost does not contain a paper certificate. If you desire to get a paper certificate, an extra USD100 will be charged for shipping and handling

Online ondemand learning center

Empowering self-paced learners with convenience and flexibility

Available 100% online on-demand, 365 days of the year.

Access the instructor-led self-paced recorded classes an unlimited number of times. These are good for learners anytime, anywhere with playback speed control.

Unlimited revisions empower understanding of concepts and guarantee success when preparing for the final exam.

Pause, repeat, take notes, and ask questions by submitting them.

Each learning module has virtual instructor-led self-paced recorded videos.

Once registered and paid, on-demand learning centre access is provided, which is valid for 90 days to complete the preparation. After that, learners can schedule their final exam. If learners need more time to take the exam, they can request an extension of time of up to 15 days from the expiration date provided.

About online ondemand study hours

- The total duration is approximately 10 to 15 hours for instructor-led self-paced recorded classes.
- The average rational study hour for online instructor-led recorded classes is 30–40 hours approx., depending upon the background and current knowledge of the professional.
- The average rational study hour for the Body of Knowledge (BoK) is approximately 30–50 hours.
- In general, learners complete online instructor-led recorded classes and BoK over 6–12 weeks and spend 6 to 10 hours on a weekly basis.
- Every learner is distinct, with a distinct learning style and potential.

Certification process start your journey

01 Select the certification program

Select a certification program based on your area of interest and expertise to progress up the career ladder and strive to enhance your skills.

Professionals with strong practical skills and capabilities in the supply chain are required by companies to operate a successful value chain and meet demand. As an outcome, you're in a fantastic position to advance your career.

02 Select the mode of learning

- Online live face-to-face
- Classroom face-to-face
- OnDemand instructor-led self-paced

03 Complete the registration process

Make a payment to complete the enrollment process

04 Attend the certification training

- Online live face-to-face
- Classroom face-to-face
- OnDemand instructor-led self-paced

05 Study and prepare for the exam

Reread all the modules from the BoK.

Once the final revision has been completed for each module, do the practise exams and determine whether you need to review the BoK one more time before taking the final exam to guarantee success on the first attempt.

Every learner is distinct, with a distinct learning style and potential.

06 Schedule the exam online with iProctor

Contact global support to schedule the final exam. Learners will be provided with the instructions to schedule the final exam via our online exam booking system.

07 Take the exam and pass

The certificate carries a unique ID which offers an easy process to let your employer or prospective employers verify the credentials.

Certification is valid for a period of three years.

To maintain your certification VCARE academy requires you to participate in a continuing education experience.

08 Certification verification

The validity of each certificate issued by VCARE is based on a demonstrated level of competence shown by the delegate through the certification exam. VCARE provides a link through which you and your organization can ascertain if your certificate is currently valid.

09 Certification maintenance

Having studied and worked hard to obtain your certification, we feel sure you will want to keep it up-to-date and remain active in your chosen field. To maintain your certification VCARE requires you to participate in a continuing education experience, keeping abreast of the ever-changing world of supply chain and value chain management. Protect the investment you have made in your certification by renewing it every three (3) years.

10 Certification renewal

VCARE does not prescribe what a certified professional must do to maintain their certification, only makes suggestions. In general, any activities undertaken in your chosen field can earn qualification points toward your certification maintenance. In general, the Certification Maintenance Program (CMP) requires an active participation in three broad fields; (1) Knowledge, (2) Education and training, and (3) Self-Development.

” About VCARE academy Inc.

A cut above the rest

VCARE academy is the world's first knowledge body, established with its primary focus on the value chain and founded with the vision to become the world class leader in research and education in the ever-evolving field of value chain management. VCARE is partnered with many International affiliates around the globe. This enables us to provide our clients with internationally recognized accredited qualifications and research opportunities in the ever-evolving field of value chain management.

” A body for your professional certification

After several years of research, VCARE academy has taken the initiative and launches a series of supply chain certification programs to fill the existing gap in the supply chain education.

This helps employers provide an exceptional kick-start to transform both new and current employees into work-to-do professional status, enabling them to reach a high level of productivity in a very short time.

We support employers by identifying where the knowledge and training gaps are within their organization. Having a well-qualified and certified staff is a great competitive advantage and branding tool for a world-class business.

These certification programs are purely based on the practical aspect of the many facets of the supply chain and help professionals grow and excel in their career.

It provides learners with a practical, hands-on platform on which to develop their skills, both in the classroom and in the workplace. We left the theory at the door!





Inspire Learning and Sharing Wisdom



What we strive for

We provide 100% practical education that teaches both the WHAT and HOW of supply chain operations.



What we're up to

We assist organizations to achieve their strategic supply chain goals by gaining visibility and transforming their supply chains into value chains. So, they will be able to meet emerging business challenges



What we're about

We help professionals improve their supply chain expertise and, at the same time, enhance their company's supply chain capabilities

Global customer support



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