

2015 LEARNING SYSTEM

PREPARATION OVERVIEW

CSCP APICS Certified Supply Chain Professional



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Contact information

W. (Vern) Teichroeb

Phone: 210-334-6209

vern.teichroeb@standardaero.com

APICS CSCP Learning System Overview

ABOUT THE APICS CSCP PROGRAM

The APICS Certified Supply Chain Professional (CSCP) program is the first and only supply chain certification that encompasses the end-to-end global supply chain. APICS CSCP designees gain the skills to effectively manage global supply chain activities that involve suppliers, plants, distributors and customers located around the world.

APICS CSCP program benefits can be achieved in a matter of months, allowing individuals and teams a quick return on investment and long-term bottom line results. No other certification program provides the combination of flexible learning options and a globally recognized certification that sets the worldwide standard for supply chain management excellence.

Companies that sponsor the APICS CSCP program for their employees find that the program creates consistency and fosters collaboration through best practices, common terminology and end-to-end communication within their organizations and throughout their supply chains.

More than 17,000 professionals in 82 countries have earned the APICS CSCP designation.



HOW PROFESSIONALS PREPARE TO EARN THE APICS CSCP DESIGNATION

The APICS CSCP Learning System is at the core of all preparation options for the APICS CSCP designation. This program is a comprehensive professional development and exam preparation tool that combines print materials and interactive web-based study tools delivering 1,100 pages of content and over 1,400 practice test questions and is presented in several flexible learning options.

COURSE TOPICS

The APICS CSCP Learning System is divided into three modules across five books that reflect the entire APICS *Exam Content Manual (ECM)*. Based upon the most recent Global Job Task Analysis, the program provides an overview of global end-to-end supply chain management. This content is integrated with best practices in the day-to-day functions of supply chain professionals, and technologies that drive improvement in planning and operations necessary to maximize an organization's efficiency and impact the bottom line.

Learn more about APICS CSCP Learning System modules on page 5.

LEARNING OPTIONS

The APICS CSCP program provides a variety of different learning options to fit individual learning styles and schedules. Participants have the following course delivery options:

- Self-directed
- Instructor-led learning
- Instructor-led online learning
- Corporate learning,

See page 11 for more information.

Printed Materials

BOOKS

The APICS CSCP Learning System covers three modules across five printed books with more than 1,100 pages of content that reflect the *APICS Operations Management Body of Knowledge (OMBOK) Framework* and the *CSCP Exam Content Manual (ECM)*. Information is organized from more than 150 sources, and progress-check questions are included at the end of each section to ensure that participants are staying on track and retaining the information. The printed materials are linked directly to every practice question found in the web-based tools.



CONTENT OVERVIEW

The printed books, which are spiral-bound to make studying easier, contain three print modules that cover the entire APICS CSCP ECM.

MODULE 1: APICS Fundamentals of Supply Chain Management

- Broad concepts of supply chain management, including primary processes, objectives, integration methods and benefits
- Alignment of supply chain and business strategies
- Key considerations for supply chain design and continuous improvement
- Key measures of planning and controlling inventories
- Fundamentals of logistics in supply chain management
- Identifying and managing market segments
- Demand forecasting and management techniques
- Keys to effective customer relationship management (CRM)
- Core concepts of supply management

MODULE 2: APICS Supply Chain Strategy, Design and Compliance

- Sustainability practices in design and operation of a supply chain
- Risk: the sources, impacts and mitigation methods
- Globally dispersed supply and demand and the impact of free trade zones and trading blocs
- Globalization effects on inbound and outbound logistics
- Measurement of and efficiency and responsiveness in the supply chain
- Sales and operations planning (S&OP) process
- Technologies for testing, data, operations and communications in supply chain management
- Factors influencing demand, including design, marketing, selling and matching customer orders
- Core concepts of CRM, including strategies, technologies and key implementation challenges
- Fundamentals of supplier relationship management (SRM), including strategies, improved management of sources, relevant technologies and measurement
- Inventory planning and control methods

MODULE 3: APICS Implementation and Operations

- Supply chain dynamics and the balance of responsiveness and efficiency
- Managing supply from internal and external sources
- Implementation of demand plans, including prioritization and fulfillment and capturing and communicating point-of-sale data
- Tools and techniques to support continuous improvement strategies

Course Overview

Welcome to the APICS Certified Supply Chain Professional™ (CSCP) Learning System. Whether you are interested in professional development or are preparing the APICS CSCP® credential, you will find the program to be a complete, easy-to-use learning and reference tool.

Getting Started

Course materials

This course allows you to work at your own pace to increase your understanding of the concepts and practices presented in the APICS CSCP® body of knowledge. It includes three printed textbooks (called modules), which correspond to the knowledge domains tested on the APICS CSCP® exam. The course also includes online practice tests and learning reinforcement activities.

Please check that you have received the three modules (the textbooks total) and your online access code (provided to you via e-mail) to access the online course components.

If anything is missing or if you have not received some (including e-mail, phone, contact APICS CSCP Learning System Customer Support at 1-800-266-0679 (US/Canada) or +1-613-965-2664 (outside).

If you use the online components of the course, you must create an account.

Assessing the online course component

Exhibit 1-1: Fundamentals of Supply Chain Management

Exhibit 1-2: Supply Chain Operations Reference (SCOR) Model

Exhibit 1-3: Standard Costing

To continue this example, if the following actual results occurred during the period, the variance would be calculated as follows:

- Actual direct materials cost: \$1,300 hours x \$32.00/hour = \$41,600 (a variance determined only at the end of the period) = \$12,272,800.
- Variance: \$32.00/hour - \$32.20/hour = -\$0.20 positive overall variance (the variance is positive because the actual direct labor cost is lower than expected and a smaller negative variance (higher cost than expected) from the higher actual overhead rate).

Standard costs and variances for direct materials and direct labor may be similarly calculated and accounted for, except that the actual costs may have occurred before the period ended.

Use of standard costing

Standard costing is used to estimate the cost of products sold before all costs are known with certainty. It also provides benchmark targets for use during production. This is a method of controlling a process during production rather than only being applied by accountants after production is complete. When variances are calculated, management can take action to correct any large negative variance from continuing to expand or prevent the problem from occurring in a later operation. Management and accounting should encourage a high level of communication between the two to encourage management and accounting that impact financial results.

Many of the concepts discussed in these modules make use of standard costing. Inventory can be valued using standard costing (although other methods also).

Exhibit 2: Supply Chain Management Concept

The APICS Dictionary, 14th edition, defines supply chain management as "the design, planning, execution, control, and monitoring of supply chain activities with the objective of creating net value, including a competitive advantage, through effective collaboration and integration with customer, suppliers, alliance partners, and other stakeholders in the chain."

Aside from the definition, there are some other aspects of supply chain management that should be highlighted at this time:

- Supply chain management is about creating net value. Early efforts at managing chains often focused only on cost reduction, not adding the chain value. The focus has shifted to adding value to the chain, not just reducing value more than they reduced costs, for a net negative effect. As we'll see, there's more to creating value through intelligent management than simply ignoring costs.
- There should be value creating activities in the supply chain that transcend the activities of particular entities in the chain. Supply chains are generally organized by one strong firm called a channel master or value chain leader. This firm is responsible for the overall value creation and often manages these activities. Nevertheless, the desire for a producer to make more than one可卖可得 in addition to generating value for the customer is a common occurrence.
- Managing supply chains requires a balance of saving competing interests. Organizations need to be competitive, but this can be a challenging task, especially in "worldwide" chains. Consider the conflicts that arise among and between the 70 American states, the 25 nations in the European Union, the 190 countries of the world, and the 4-billion cultures around the globe.

Other related terms: value chain and mapping

Although many would assume that a supply chain is, in fact, a value chain – at least if it is well managed – others may draw a distinction between the two. A value chain is a string of collaborating players who work together to satisfy market demands for specific products or services. According to the APICS Dictionary, a value chain "is a network of companies that work together to create a company that add value to the products or services that the organization sells to customers and for which it receives payment."

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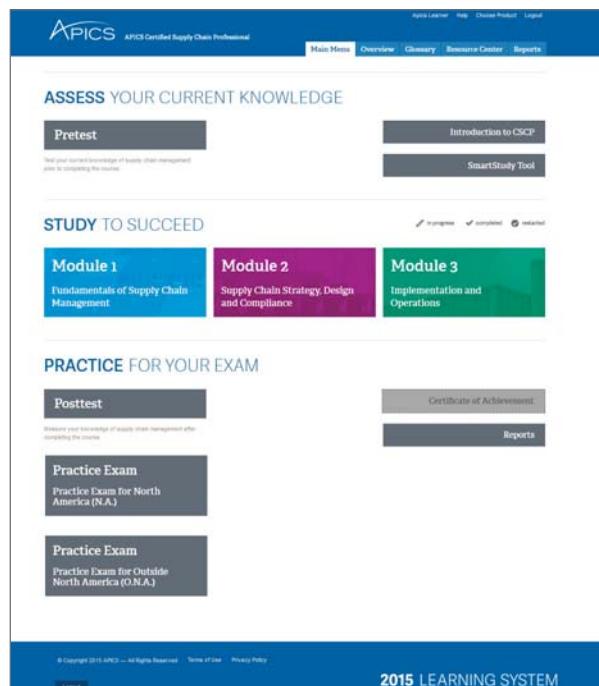
Version 1.2, 2014 Edition
APICS Learning System

Interactive Web-Based Study Tools

WEB-BASED STUDY TOOLS

Included with the APICS CSCP Learning System, web-based study tools help users apply the concepts learned in the printed materials and test their understanding and retention of the topics.

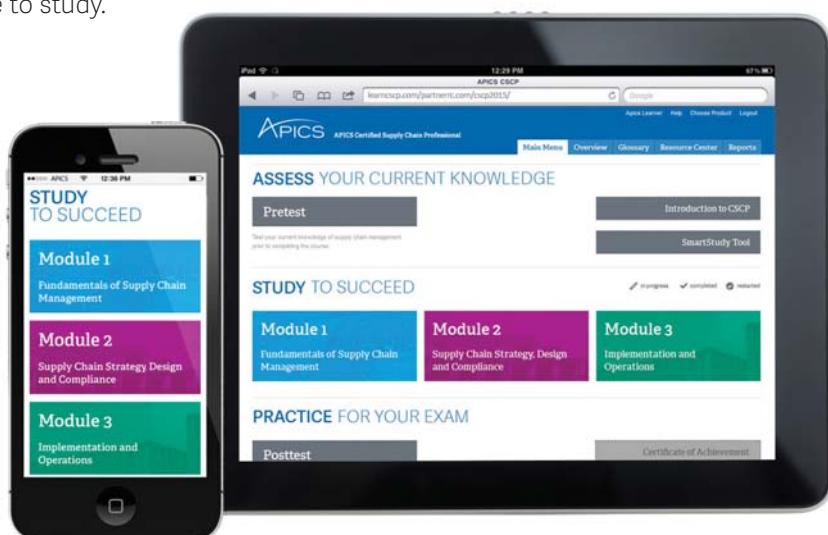
- Quizzes and tests prepare users for the APICS CSCP exam, providing immediate feedback and additional guidance.
- Users have access to the web-based study tools for one year.
- All interactive web-based study tools can be accessed online.



The screenshot shows the APICS CSCP Learning System interface. At the top, there is a navigation bar with links for 'Main Menu', 'Overview', 'Glossary', 'Resource Center', and 'Reports'. The main content area is titled 'ASSESS YOUR CURRENT KNOWLEDGE' and features a 'Pretest' button. Below this, there is a section titled 'STUDY TO SUCCEED' with three colored boxes: 'Module 1' (blue, 'Fundamentals of Supply Chain Management'), 'Module 2' (purple, 'Supply Chain Strategy, Design and Compliance'), and 'Module 3' (green, 'Implementation and Operations'). At the bottom, there is a section titled 'PRACTICE FOR YOUR EXAM' with three buttons: 'Posttest' (gray), 'Practice Exam' (gray, 'Practice Exam for North America (N.A.)'), and 'Practice Exam' (gray, 'Practice Exam for Outside North America (O.N.A.)').

MOBILE ACCESS

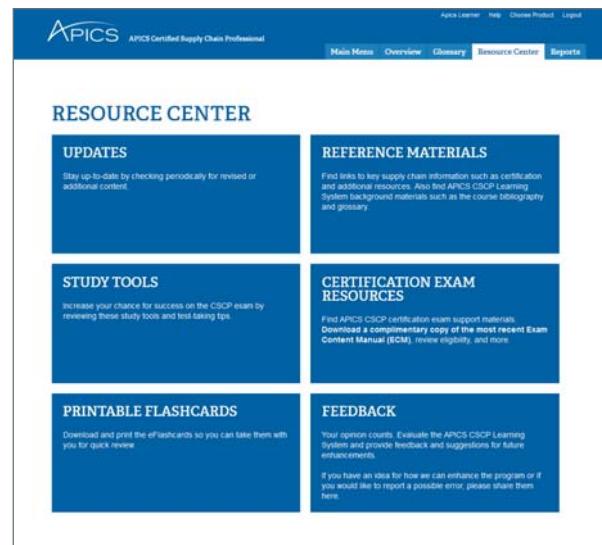
Participants can study on-the-go by accessing the APICS CSCP Learning System on their iPhones, iPads or Google Android phones and tablets. This mobile format gives users greater flexibility for when and where they are able to study.



Interactive Web-Based Study Tools (Continued)

RESOURCE CENTER

The Resource Center is the one-stop place for users to access valuable exam prep materials like program updates, test-taking tips, printable flashcards, related links, reference materials, a feedback feature and a complimentary download of the most current APICS CSCP ECM.



UPDATES
Stay up-to-date by checking periodically for revised or additional content.

STUDY TOOLS
Increase your chance for success on the CSCP exam by reviewing these study tools and test-taking tips.

PRINTABLE FLASHCARDS
Download and print the flashcards so you can take them with you for quick review.

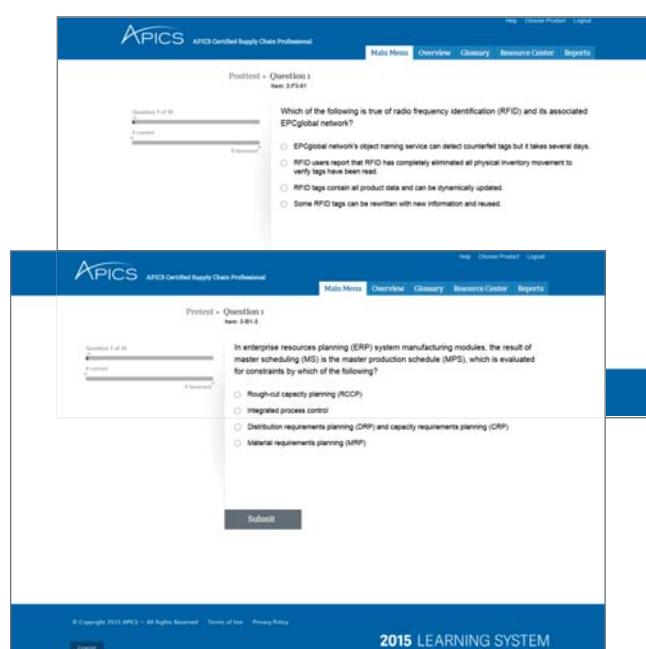
REFERENCE MATERIALS
Find links to key supply chain information such as certification and additional resources. Also find APICS CSCP Learning System background materials such as the course bibliography and glossary.

CERTIFICATION EXAM RESOURCES
Find APICS CSCP certification exam support materials. Download a complimentary copy of the most recent Exam Content Manual (ECM), review eligibility, and more.

FEEDBACK
Your opinion counts. Evaluate the APICS CSCP Learning System and provide feedback and suggestions for future enhancements. If you have an idea for how we can enhance the program or if you would like to report a possible error, please share them here.

PRETESTS AND POSTTESTS

The pretests and posttests, consisting of 50 multiple-choice questions each, cover content drawn from the entire APICS CSCP ECM. After each question, users are provided immediate feedback, including the correct answer and the rationale behind the answer. A running total of questions answered correctly is provided as they proceed through the test. The pretest results provide users with an idea of their strengths and areas they need to work on; the posttest results measure progress following completion of the course. The pretests and posttests are weighted the same way the CSCP exam is weighted, and the topics are designed to follow the ECM outline.



Pretest • Question 1
Item 3-P41

Which of the following is true of radio frequency identification (RFID) and its associated EPICglobal network?

- EPICglobal network's object naming service can detect counterfeit tags but takes several days.
- RFID users report that RFID has completely eliminated all physical inventory movement to verify tags have been read.
- RFID tags contain all product data and can be dynamically updated.
- Some RFID tags can be rewritten with new information and reused.

Pretest • Question 1
Item 3-B1-4

In enterprise resources planning (ERP) system manufacturing modules, the result of master scheduling (MS) is the master production schedule (MPS), which is evaluated for constraints by which of the following?

- Rough-cut capacity planning (RCCP)
- Integrated process control
- Distribution requirements planning (DRP) and capacity requirements planning (CRP)
- Master requirements planning (MRP)

Submit

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2015 LEARNING SYSTEM

Interactive Web-Based Study Tools (Continued)

MODULE-SPECIFIC TESTS

The conclusion of each module allows users to test their knowledge retention with section- and module-specific quizzes. The quizzes provide immediate feedback, answer rationales and references to the relevant sections in the printed materials so areas of improvement can be reviewed.

The image displays three screenshots of the APICS Learning System interface, each representing a different module. The top screenshot shows 'Module 3: Implementation and Operations', the middle shows 'Module 2: Supply Chain Strategy, Design and Compliance', and the bottom shows 'Module 1: Fundamentals of Supply Chain Management'. Each screenshot includes a 'Section Quizzes' section with lettered options (A-E or A-H) and a 'Module Quick Quiz' section with numbered options (1-3). To the right of each module page are links for 'Learning Activities' and 'eFlashcards'.

GLOSSARY

Based on the *APICS Dictionary*, 14th edition, and accessible any time during the program, the glossary allows users to look up definitions of terms without leaving current modules or activities.

LEARNING ACTIVITIES

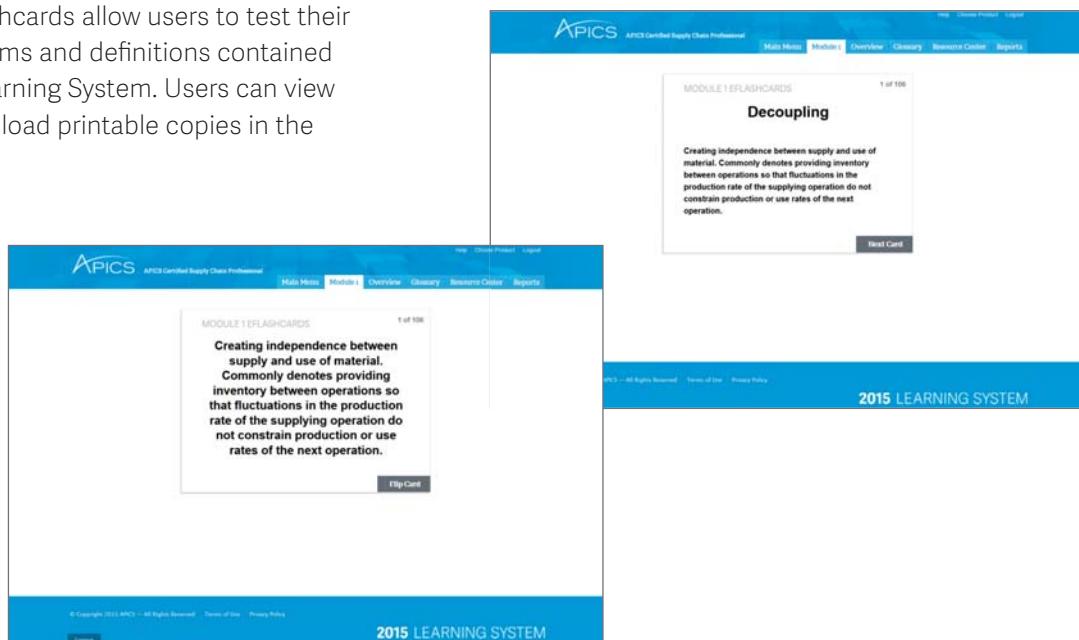
After reading the printed materials and taking the quizzes, users are encouraged to complete the Learning Activities. The exercises within the Learning Activities reinforce the concepts presented in the text and allow users to apply that knowledge in a real-world application.

The image shows a screenshot of the APICS Learning System's glossary feature. A search bar at the top is set to 'A'. Below it, a list of terms is displayed, each with a definition and a 'View Details' link. The terms include 'ABC classification', 'Agent', 'Advanced planning and scheduling (APS)', 'Alliance development', and 'Anticipated inventories'.

Interactive Web-Based Study Tools (Continued)

eFLASHCARDS

A valuable study tool, eFlashcards allow users to test their knowledge of important terms and definitions contained within the APICS CSCP Learning System. Users can view eFlashcards online or download printable copies in the Resource Center.

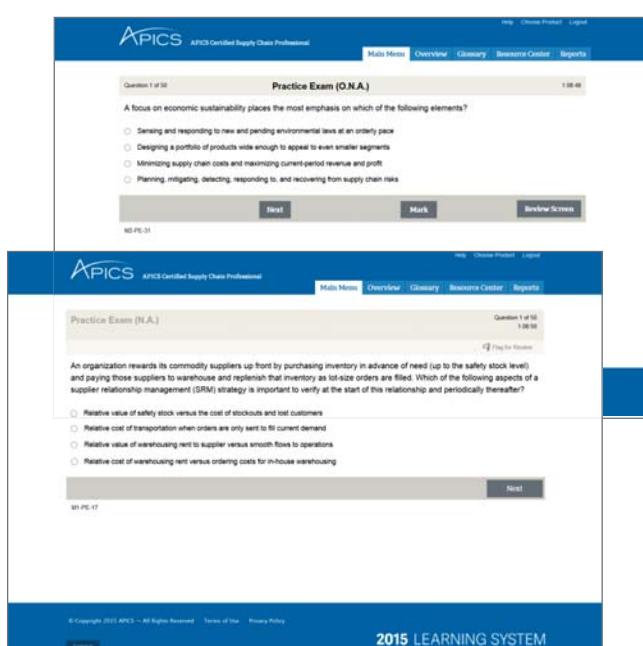


APICS CSCP PRACTICE EXAM

The APICS CSCP practice exam is designed to help users gain comfort and experience with the format and functionality of the computer-based APICS CSCP exam.

Using retired CSCP exam questions, this 50-question test is offered in two versions designed to simulate the environment of the testing center where candidates will be sitting for the CSCP exam — Pearson Vue in North America or Prometric for those testing Outside of North America.

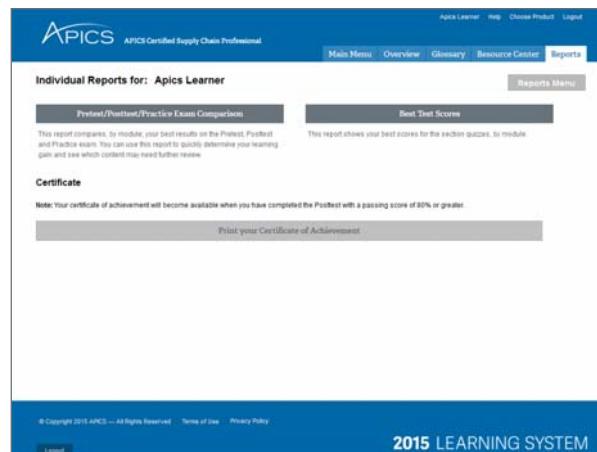
These practice tests measure elapsed time and assess whether you are on track to complete the APICS CSCP exam in the allotted time. Users can flag questions for review and skip and return to questions later in the test. Following the practice exam, users can review results, including incorrect and correct questions.



REPORTS

Participants can track and document progress through a complimentary reporting feature that includes pretest and posttest scores and module-specific test scores. Users can look at each test and review scores for each attempt. The Best Test Scores Report provides a summary of all quiz, test and exam scores broken down by module and section.

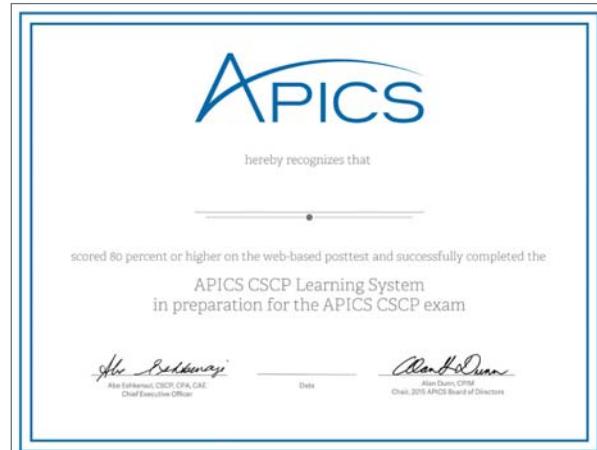
The Pretest, Posttest and Practice Exam Comparison Report reviews pretest, posttest and practice exam scores by module to measure understanding and retention of the materials.



The screenshot shows the APICS Learning System interface. At the top, there are navigation links: Main Menu, Overview, Glossary, Resource Center, Reports, and a Log out link. Below this, a sub-menu for 'Individual Reports for: Apics Learner' is displayed, with 'Best Test Scores' selected. The main content area shows a summary of best scores for various modules, with a note that a certificate of achievement will be available after a posttest score of 80% or greater. At the bottom, there are copyright information and a '2015 LEARNING SYSTEM' footer.

CERTIFICATE OF ACHIEVEMENT

Users scoring 80 percent or higher on the posttest earn a certificate of achievement, which indicates successful completion of the Learning System. The certificate is also valid for 30 APICS CPIM maintenance points.



Course Delivery Formats

SELF-DIRECTED

The self-directed format gives you the freedom to access the course whenever you need from wherever you are and the flexibility to study anytime and anywhere, enabling you to learn in your own style at your own pace. Select this learning option if you want to:

- Prepare from home or work or while traveling
- Create your own study plan and focus on the specific topics you need to master
- Save time and money on travel to training sites.

INSTRUCTOR-LED COURSES

The instructor-led format combines the APICS CSCP Learning System print and web-based components with the guidance of an experienced instructor. Global course listings can be found on the Partner and Event Finder at apics.org. This option is best suited for individuals who:

- Prefer face-to-face interaction with an instructor
- Thrive in a structured classroom setting
- Enjoy peer discussion and live instruction.

INSTRUCTOR-LED ONLINE COURSES

APICS instructor-led online courses are offered through Fox Valley Technical College. These online APICS CSCP review courses are interactive and easily navigated. These courses are asynchronous, so participants can take the course that is most in line with their own personal style. All workshops are taught by instructors who have earned APICS CSCP certification and have years of supply chain management experience. Participants will have the opportunity to interact online with instructors and fellow learners in a private environment.

CORPORATE LEARNING

Ensure consistent training for small or large groups of employees using the APICS CSCP Learning System and take advantage of volume discounts for groups of two or more. The program can be offered in a self-directed or instructor-led format at your facility. Whether participants are local to one site, or geographically dispersed, optional group reporting capabilities make it easy to track progress and document the learning gain as each person goes through the APICS CSCP Learning System web-based testing and review activities.

To learn more about APICS CSCP preparation, visit apics.org/cscp.

Contact Information

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If you have questions, please contact

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