



Selected Supply Chain Related Certifications

The following research was conducted by the National Center for Supply Chain Technology Education. The goal of the research was to identify industry recognized supply chain related certification agencies that meet the needs of the logistics industry. Our research has identified many logistics and supply chain certifications for operator and management personnel. To date, the SCTE team has not identified an industry recognized certification that focusses on maintenance technician skills needed to support the automated warehouse.

Below you will find the identified resources.

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By Authorizing Agency:

[The American Society of Transportation and Logistics \(ASTL\)](#)

[The Association for Operation Management \(APICS\)](#)

[The Council of Supply Chain Management Professionals \(CSCMP\)](#)

[The Institute of Packaging Professionals \(IoPP\)](#)

[The Institute of Supply Chain Management \(ISM\)](#)

[International Society of Logistics \(SOLE\)](#)

[The International Warehouse Logistics Association \(IWLA\)](#)

[The Manufacturing Skills Standards Council \(MSSC\)](#)

[The Project Management Institute, Inc. \(PMI\)](#)

[Society for Maintenance and Reliability Professionals \(SMRP\)](#)

Certification	Technician (T) or Management (M)	Years of Experience	Years of College
<u>Certification in Transportation and Logistics (CTL)</u>	M	3 or	2
<u>Certified Fellow in Production and Inventory Management (CFPIM)</u>	M & inventory Planning	Must have CPIM	-
<u>Certified in Production and Inventory Management (CPIM)</u>	M & inventory Planning	2	-
<u>Certified Logistics Associate (CLA)</u>	T	-	-
<u>Certified Logistics Professional (CLP)</u>	T & M	-	-
<u>Certified Logistics Technician (CLTAE)</u>	T	Must hold CLA	-
<u>Certified Maintenance and Reliability Technician (CMRT)</u>	T	5 or 3 &	- Associate's
<u>Certified Master Logistician (CML)</u>	M & overview of T	8 or 5 &	Bachelor's
<u>Certified Packaging Professional (CPP)</u>	T	6 or 2 &	Bachelor's
<u>Certified Professional in Supply Chain Management (CPSM)</u>	M	3 &	Bachelor's
<u>Certified Professional Logistician (CPL)</u>	T & M	9 or 5 &	Bachelor's
<u>Certified Professional Technician (CPTAE)</u>	T	-	-
<u>Certified Purchasing Manager (CPM)</u>	M	5 or 3 &	Bachelor's
<u>Certified in Supply Chain Management (CSM)</u>	M	5 or 3 &	Associate's
<u>Certified Supply Chain Professional (CSCP)</u>	M	5+ or 2 &	Bachelor's
<u>Demonstrated Logistician (DL, DSL, DML)</u>	T	DL 3 or 2 & DSL 5 or 4 & DML 7 or 6 &	Associate's Associate's Associate's
<u>Distinguished Logistics Professional (DLP)</u>	M	20	
<u>Global Logistics Associate (GLA)</u>	M & computer systems	-	-
<u>Professional Designation in Logistics and Supply Chain Management (PLS)</u>	M	-	-
<u>Project Management Professional (PMP)</u>	T	3 & or 5 &	Bachelor's high school
<u>SCPro™ Certification (I)</u>	M	4 or	Bachelor's
<u>SCPro™ Level Two (II) Certification</u>	M	SCPro I 4 or	Bachelor's

The American Society of Transportation and Logistics (ASTL) www.astl.org

Distinguished Logistics Professional (DLP)

- Certified by the American Society of Transportation and Logistics (ASTL)
- Not a certification; rather a designation bestowed by the ASTL board
- Candidate requirements
 - Recommendation to the ASTL Board of Directors by an active ASTL member
 - Must have worked in TDL for at least 20 years
- Cost: \$50

Certification in Transportation and Logistics (CTL)

- Certified by the American Society of Transportation and Logistics (ASTL)
- Skills developed
 - Transportation economics
 - International transport and logistics
 - Supply chain strategy
 - Cost and finance
 - General management principles and techniques
- Training length
 - About 6 to 8 weeks
- Candidate requirements
 - Successful completion of three modules of required study material, as well as three elective modules
- Cost
 - Exams are \$1,195 when paid as a whole, or \$245 for each individual exam

Professional Designation in Logistics and Supply Chain Management (PLS)

- Certified by the American Society of Transportation and Logistics (ASTL)
- Skills developed
 - Competitive strategy
 - Customer value and service
 - Logistics costs and performance
 - Lead-time management
 - Collaboration across multiple enterprises
 - Risk management
 - Integration of supply chain processes
- Training length
 - About 6 to 8 weeks
-
- Candidate requirements

- Successful completion of three modules of required study material, as well as three elective modules
- Cost
 - Exam is \$350

Global Logistics Associate (GLA)

- Certified by the American Society of Transportation and Logistics (ASTL)
- Skills developed
 - Workplace essentials
 - Supply chain management
 - Transportation management
 - Warehouse management
 - Computer systems
- Training length
 - About 6 to 8 weeks
- Candidate requirements
 - Successful completion of three modules of required study material, as well as three elective modules
- Cost
 - Exam is \$360 for members, \$410 for nonmembers

The Association for Operation Management (APICS) www.apics.org

Certified in Production and Inventory Management (CPIM)

- Certified by the Association for Operation Management (APICS)
- Skills developed
 - Demand management
 - Procurement management
 - Supplier planning
 - Material requirements planning
 - Capacity planning
 - Sales and operations planning
 - Master scheduling
 - Performance measurements
 - Supplier relationships
 - Quality control
- Training length: about 6 to 8 weeks
- Candidate requirements
 - Must pass all 5 CPIM exam modules
- Cost
 - Training is \$450 per module for members, \$580 per module for nonmembers
 - Exam is \$145 per module for members, \$175 per module for nonmembers

Certified Supply Chain Professional (CSCP)

- Certified by the Association for Operations Management (APICS)
- Skills developed
 - Global supply chain management
 - Customer relations
 - International trade
 - Information technology
 - Physical logistics
- Training length: about 6 to 8 weeks
- Candidate requirements
 - APICS CPIM, CFPIM, or CIRM; or CPM, CSM, or CPSM designations plus two years of related business experience, or
 - Bachelor's degree or equivalent plus two years of related business experience, or
 - Five years of related business experience
- Cost

- Training is \$945 for members, \$1,275 for nonmembers
- Exam is \$630 for members, \$795 for nonmembers

Certified Fellow in Production and Inventory Management (CFPIM)

- Certified by the Association for Operations Management (APICS)
- Not a certification; rather a designation bestowed by the APICS board
- Candidate requirements
 - Must obtain CPIM first
 - Recommendation from active APICS CFPIM
 - Candidate must earn “points” by teaching, presenting, volunteering, etc. within the field
- Cost: \$50

The Council of Supply Chain Management Professionals (CSCMP) www.cscmp.org/

SCPro™ Certification – Certified by the Council of Supply Chain Management

Supply chain management is comprised of key functions and activities that must be integrated. These functions are highlighted in CSCMP's SCPro™ Level One Certification. Individuals with a SCPro™ Level One designation demonstrate a solid foundation of knowledge in all functions of supply chain management, such as demand planning, inventory, manufacturing, order fulfillment, procurement, service operations, supply management, transportation, and warehousing. Level One Certified has proven they are knowledgeable and effective at collaborating with others to the benefit of the entire supply chain.

SCPro™ Level One Certification is focused on eight Learning Blocks:

1. Supply Chain Concepts
 2. Demand Planning
 3. Procurement
 4. Manufacturing
 5. Transportation
 6. Inventory
 7. Warehousing
 8. Order Fulfillment and Customer Service
- Study Material – Electronic \$600US (member pricing)
 - Level One Test \$650US (member pricing)

SCPro™ Level Two Certification (Available 2013) – Certified by the Council of Supply Chain Management

The essence of CSCMP Supply Chain Certification is demonstrated in SCPro™ Level Two with the premise that the uniqueness of supply chain management is “integration.” Certification assessment in Level Two will be by means of case analyses. The individual will be tested on their knowledge of the conceptual framework that demonstrates their ability to make strategic decisions regarding supply chain planning, operations and performance measurements, understanding of the role of supply chain management in corporate success and ability to formulate strategies for effectively managing supply chain operations.

The key supply chain knowledge areas to be assessed in Level Two include:

1. Internal Process Integration
2. External Partner Collaboration and Process Integration
3. Supply Chain Network Design
4. Supply Chain Strategy
5. Supply Chain Financial Principles
6. Supply Chain Risk and Resilience
7. Supply Chain Sustainability

SCPro™ Level Three Certification (Available 2014) – Certified by the Council of Supply Chain Management

SCPro™ Level Three Certification’s two major objectives are a professional growth experience for the individual and a value-added output of significant scale and scope for the individual’s organization. Level Three Certification comes from a demonstration of the individual’s ability to conceptualize the steps required to implement and effect supply chain change, knowing “what to do” but also “how to do it” while generating value for the organization. This Level consists of an application project conducted in a real organization of the individual’s choosing with the guidance and approval of a CSCMP assigned certification task force advisor.

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The Institute of Packaging Professionals (IOPP) www.iopp.org

Certified Packaging Professional (CPP)

Candidates achieve the Certified Packaging Professional (CPP) designation by demonstrating significant industry expertise and experience, measured through a flexible applicant testing process. Currently, a candidate is qualified to begin the process if he/she has six years experience in packaging or a closely related technical discipline. The six-year requirement can be satisfied in the following ways:

- Six years actual work experience, or;
- Four-year college degree from a packaging school, plus two years of work experience, or;
- Four-year college degree from a packaging school, plus one year for Masters Degree, plus one year of actual work experience.
- IoPP’s multiple-choice test is mandatory for every candidate entering the program. The test is comprised of 150 questions on packaging machinery, materials and technology. This is an “open book” test. An 80% correct score is considered passing.
- Current Certification Program fees are:
 - Certification Fee-\$125
 - Recertification Fee-\$125
 - In-training Fee, Phase 1 (CPIT)-\$75
 - In-training Fee, Phase 2-\$50
 - Retesting (Exam)-\$40
 - Retesting (Resume)-\$30
 - Fundamentals of Packaging Technology Book-\$185, plus S&H (IoPP Members)

The Institute of Supply Chain Management (ISM) www.ism.ws

Certified Professional in Supply Chain Management (CPSM)

- Certified by Institute of Supply Chain Management (ISM)
- Skills developed
 - Contracting and negotiation
 - Cost and finance
 - Sourcing
 - Supplier relation management
 - Materials and inventory management
 - Organization assessment
- Training length
 - Accelerated course lasts 30 days
- Candidate requirements
 - 3 years full-time, professional supply management experience (nonclerical, nonsupport)
 - Bachelor's degree from a regionally accredited institution or international equivalent
 - Pass 3 CPSM exams OR if you are a CPM in good standing, pass the Bridge Exam
- Cost
 - \$997 for training course
 - \$189 per exam for members / \$269 per exam for nonmembers

Certified in Supply Chain Management (CSM)

- Certified by Institute of Supply Chain Management (ISM)
- **The CSM™ Exam Content**
- Exams cover the major areas of supply management.
 - **CSM™ Exam 1 — Foundation of Supply Management**
165 questions, 2 hours and 45 minutes test time
 - **CSM™ Exam 2 — Effective Supply Management Performance**
165 questions, 2 hours and 45 minutes test time
 - **CSM™ Exam 3 — Leadership in Supply Management**
180 questions, 3 hours test time
- Successfully pass three CSM™ Exams OR if you are a C.P.M. in good standing, pass the Bridge Exam (test centers located in many locations around the globe)
- Three years of full-time, professional supply management experience (non-clerical, non-support) with an associate's degree from a regionally accredited institution (or international equivalent)

OR five years of full-time professional supply management experience (non-clerical, non-support)

▪ **Bridge Exam**

- Certified Purchasing Managers (C.P.M.s) in good standing with qualifying work experience and education only need to take one Bridge Exam — a single exam covering content not included in the C.P.M. Exams.
- *Note:* Last day to register for the Bridge Exam is December 31, 2014. Last day to take the Bridge Exam is December 31, 2015.
- **Exam Fees: USD \$199 per exam members/USD \$299 per exam nonmembers**

Certified Purchasing Manager (CPM)

- Certified by Institute of Supply Chain Management (ISM)
- No longer available to new applicants; recertification only
- Certified by the Institute of Supply Chain Management (ISM)
- Candidate requirements
 - Pass all 4 modules of the CPM exam
 - 5 years of full time professional (non-clerical, non-support) supply management experience OR 3 years of full time professional supply management experience and a 4-year degree from an accredited institution
- Cost: \$99 for members / \$159 for nonmembers

International Society of Logistics (SOLE) www.sole.org

Certified Master Logistician (CML)

- Certified by the International Society of Logistics (SOLE)
- Examinations are held twice annually, in May and November, at announced times and are administered by a proctor appointed by the Society.
 - The examination is conducted during one continuous six-hour period which consists of three two-hour sessions.
 - The cost is \$125 for members and \$275 for non-members.
- Eligibility:
 - Professional Experience - Eight years experience in practicing or teaching logistics with two years of experience in at least two fields of logistics.
 - Educational Equivalents - Each academic year of undergraduate accredited coursework in logistics subjects equivalent to one year of professional experience, with undergraduate credits limited to the equivalent of four years experience.
 - or -
 - Bachelor's degree plus 5 years experience - or -
 - Master's degree plus 4 years experience - or -
 - Doctoral degree plus 3 years experience

Certified Professional Logistician (CPL)

- Certified by the International Society of Logistics (SOLE)
- Examinations are held twice annually, in May and November, at announced times and are administered by a proctor appointed by the Society.
 - The examination is conducted during one continuous eight-hour period, and consists of four two-hour sessions. The CPL examination itself is often ranked as the equivalent of a Masters Degree for logistics managers and practitioners.
 - The cost is \$225 for members and \$375 for non-members.
- Eligibility:
 - Professional Experience - Nine years experience in practicing or teaching logistics with two years of experience in at least two fields of logistics.
 - Educational Equivalents - Each academic year of undergraduate accredited coursework in logistics subjects equivalent to one year of professional experience, with undergraduate credits limited to the equivalent of four years experience.
 - or -
 - Bachelor's degree plus 5 years experience - or -

Master's degree plus 4 years experience - or -
Doctoral degree plus 3 years experience

Demonstrated Logistician (DL, DSL, DML)

- This program provides intermediate recognition of professional performance and continuing education in the individual fields of practice within the profession.
- There are three levels of Designation in the Demonstrated Logistician Program. The first is the Demonstrated Logistician (DL), next is the Demonstrated Senior Logistician (DSL) and the highest level is the Demonstrated Master Logistician (DML). All levels require that the individual continue his/her professional education through college credit or CEU equivalent credit courses, coupled with technical training in his/her field and enabler training in areas associated with the integrated functions of business or government. In addition there are requirements for continued demonstrated professional performance in the practice of logistics.
- The candidate can be awarded the highest level of recognition they qualify for at any time in his/her career. There is no requirement to start at the DL and work up to the DML.

Experience Needed	No degree	Associate's	Bachelor's
DL	3 yrs	2 yrs	1 yr
DSL	5 yrs	4 yrs	2 yrs
DML	7 yrs	6 yrs	3 yrs

The International Warehouse Logistics Association (IWLA) www.iwla.com/

Certified Logistics Professional (CLP)

The CLP was designed to set standards of excellence for warehouse logistics management and promote professionalism throughout the industry.

- Certified by the International Warehouse Logistics Association
- Candidate requirements
 - Obtain 140 points, based on various IWLA course elective values
 - Designees must also earn 10 industry contribution participation points
- Cost: \$150 for members / \$250 for nonmembers

The Manufacturing Skills Standards Council (MSSC) www.msscusa.org/

Certified Logistics Associate (CLA)

- Certified by the Manufacturing Skills Standards Council (MSSC)
- Skills developed
 - Global supply chain
 - Logistics environment
 - Safety principles
 - Safe equipment operation
 - Quality control
 - Workplace communication
 - Teamwork & good conduct
 - Computer skills
- Training length: 28-32 hours
- Candidate requirements
 - Successful completion of CLA assessment
- Cost
 - Course is \$130 (MSSC price to training organization)
 - Exam in \$40
 - One-time registration (for both CLA and CLT) is \$60

Certified Logistics Technician (CLTae) (Mid-level Technical)

NOTE: “AE” refers to ANSI Edition. ANSI has accredited CLT under ISO Standard 17024 (Personnel Certification)

- Certified by the Manufacturing Skills Standards Council (MSSC)
- Skills developed
 - Product receiving
 - Product storage
 - Order processing
 - Packaging and shipment
 - Inventory control
 - Safe handling of hazardous materials
 - Evaluation of transportation modes
 - Dispatch and tracking operations

- Measurement and conversion
- Training length: 35-40 hours
- Candidate requirements
 - CLA is a prerequisite for CLAAE. Successful completion of CLT assessment is needed for full CLTAE certification.
- Cost
 - Course is \$130 (MSSC price to training organization)
 - Exam is \$40
 - Registration is \$60

Certified Professional Technician (CPTAE)

- Certified by the Manufacturing Skills Standards Council (MSSC)
- Skills developed
 - Safety
 - Quality practices and measurement
 - Manufacturing production and processes
 - Maintenance awareness
 - Sustainability
- Training length
 - Regular: 35-40 hours, 3-credit equivalent, one course for each of the five CPT modules
 - Fast Track: 15-18 hours for each module; fully online with an online instructor
 - Intensive Course: 140 hours, continuous, intensive study covering all four modules (excluding Green Production)
- Candidate requirements
 - Must pass all 5 exam modules
- Cost
 - Course is \$130
 - Exam is \$40
 - Registration is \$60

The Project Management Institute, Inc. (PMI) www.pmi.org

Project Management Professional (PMP)

- Certified by the Project Management Institute, Inc. (PMI)
- Competency Demonstrations
 - Domain I: Initiating the Project
 - Domain II: Planning the Project
 - Domain III: Executing the Project
 - Domain IV: Monitoring and Controlling the Project
 - Domain V: Closing the Project
- Candidate requirements
 - A four-year degree (bachelor's or the global equivalent) and at least three years of project management experience, with 4,500 hours leading and directing projects and 35 hours of project management education.
 - A secondary diploma (high school or the global equivalent) with at least five years of project management experience, with 7,500 hours leading and directing projects and 35 hours of project management education.
- Cost
 - Computer-Based Testing: \$405 Member/\$555 Non-member
 - Paper-Based Testing: \$250 Member/\$400 Non-member

Society for Maintenance and Reliability Professionals (SMRP) www.smrp.org/

Certified Maintenance and Reliability Technician (CMRT), formerly known as CIMM (Certified Industrial Maintenance Mechanic)

- Certified by the Society for Maintenance and Reliability Professionals (SMRP)
- Skills developed
 - Domain I: Maintenance Practices
 - Domain II: Preventive and Predictive Maintenance
 - Domain III: Troubleshooting and Analysis
 - Domain IV: Corrective Maintenance
- Exam Training
 - SMRP doesn't offer study guide material for the CMRT exam. ISA (International Society of Automation) offers a prep course and study guide materials
 - ISA Prep Course is 3 days long: 8AM – 4PM
 - Course Prerequisites:
 - Minimum of 5 years (7,500 hours) experience in the maintenance mechanic field in an industrial manufacturing facility or
 - 3 years (4,500 hours) and a two year associate degree (40 semester hours) in maintenance in an accredited institution
 - Prep course fees: \$1,730
 - Study Guide fees: \$50.00
- Cost
 - SMRP Member \$250.00 USD
 - Employee of Sustaining Sponsor \$195.00 USD
 - Non-Member \$300 USD