

SAVE International Value Methodology Fundamentals 1 (VMF 1)



40-hour Course Information

Dates: January 22-26, 2018

Location: Hainline, 1215 Fourth Avenue, Suite 1200,
Seattle, WA

Cost: \$1550.00 per person, all materials and certificate
of completion

Other Credits: 40-Professional Development Hours for
your registration

WHO SHOULD ATTEND AND WHY

This course is designed for individuals involved in planning, design and construction projects, including planners, architects, engineers, construction managers, contractors, cost estimators and owners. Additionally, individuals in manufacturing and industry including program managers, product managers, engineers, designers, etc. Learn an extremely valuable process to help you make improvements, seek out innovation and opportunities to projects, products and even the way you and your company does business. This course is also the first step in the certification process and includes a demonstration project to apply what you learn. After taking this course, candidates are eligible to take the VMA exam (administered through SAVE International).

Registration Deadline: January 5, 2018

To reserve your seat call RHA (602) 493-1947 or (800) 480-1401 or email us at Patrice@TeamRHA.com

Instructor(s)

Patrice “Pat” Miller, CVS, Managing Partner, RHA, LLC

Pat is a Certified Value Specialist and leads project teams to optimize function, performance and costs using the value methodology (VM). She has taught the Module I Workshop and has great passion for VM and teaching others. Pat serves as President of the Arizona Chapter of SAVE International. In 2014, she was awarded “Rising Star” by SAVE International. Pat leads very up-tempo and enjoyable classes with the motto “learn while having fun.”

About VMA Certification

A new Value Methodology Associate (VMA) is expected to possess an entry-level understanding of Core Competencies 1, 2, 4, 5 and 7, and be proficient to participate as a value team member in a value study. The nine Core Competencies are:

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|--------------------------|---|
| 1. Value Methodology | 6. Pre-Workshop Stage |
| 2. Transform Information | 7. Workshop Stage (Six-Phase VM Job Plan) |
| 3. Team Facilitation | 8. Post-Workshop Stage |
| 4. Function Analysis | 9. Value Program |
| 5. Cost Analysis | |

See attached for more information on Core Competencies.

Core Competency Testing Objectives for Value Methodology Associate (VMA) and Certified Value Specialist (CVS) assume that the VMA exam and CVS exam are now separate tests, where a CVS examinee has previously passed the VMA exam. CVS examinees must receive approval to take the CVS exam and must be currently certified as a VMA. The Value Methodology Fundamentals 1 (VMF 1) course covers all information required to pass the VMA exam. The Value Methodology Fundamentals 2 (VMF 2) course covers additional information required to pass the CVS exam.

NOTE: Assumes VMA's participate as value team members and CVS's facilitate.

Core Competency and Learning Objectives	Education Objectives and Testing Parameters	VMA VMF 1	CVS VMF 2
1. Value Methodology			
1.1 Explain the Value Methodology			
	A. Explain Value Analysis, Value Engineering or Value Management	●	●
	B. Define the Value Methodology	●	●
	C. Define Historical Milestones	●	●
	D. Know How Value Analysis Methods Spread Globally and Evolved	●	●
	E. Certification within SAVE International	●	●
	F. Understand What Constitutes a Value Study	●	●
1.2 Explain the Concept of Value			
	A. Define Value as a Basic Concept (Functions Divided By Resources)	●	●
	B. Who Determines Value	●	●
	C. Types of Value	●	●
	D. Define the Value Index (Function Cost Divided By Function Worth)	●	●
	E. Establish, Understand Sources, and Determine Worth	●	●
	F. Possible Reasons for Poor Value	●	●
1.3 Explain the Code of Conduct			
	A. Explain the SAVE International Standards of Conduct	●	●

2. Transform Information			
2.1 Express Information			
	A. Define Key Data Required (Cost, Process, Risk)	●	●
	B. Collect Relevant Data		●
	C. Identify Potential Value Improvement Opportunities Based on Available Information	●	●
2.2 Apply Value Modeling in a Value Study			
	A. Transform Data (Pareto Diagram, etc.)	●	●
	B. Organize/Diagram Key Resources (Space, Time, Energy, Labor or Staffing, Cost, Materials, etc.)	●	●
	C. Identify Potential Value Improvement Opportunities Based on Stakeholders' Expectations and Available Information		●
3. Team Facilitation			
3.1 Demonstrate the Skills for Workshop Leadership			
	A. Manage Team Dynamics		●
	B. Motivate Team		●
	C. Express Communication Skills		●
	D. Demonstrate Time Management Skills		●
	E. Elicit Information		●
	F. Recall the Core Practices of Facilitation		●
	G. Keep the Team Focused on Accomplishing The Objectives		●
	H. Lead Team to Consensus		●
4. Function Analysis			
4.1 Explain Function Analysis			
	A. Define Function Analysis	●	●
	B. Explain Purpose of Using Function Analysis	●	●

4.2 Differentiate Functions			
	A. Define What Is a Function	●	●
	B. Contrast Activities From Functions	●	●
	C. Classify Functions	●	●
4.3 Organize Functions			
	A. Explain What Is a Random List of Functions	●	●
	B. Construct a Random Function Identification Worksheet	●	●
	C. Explain What Is a Fast Diagram	●	●
	D. Construct a Fast Diagram		●
	E. Allocate Resources to Accomplish Functions (Space, Time, Energy, Labor or Staffing, Cost, Materials, etc.)		●
	F. Prioritize Functions for Potential Value Improvements		●
5. Cost Analysis			
5.1 Recognize Costs			
	A. Recognize the Current State Cost Estimate (Correct Point in Time)		●
5.2 Compute Financial Assessment			
	A. Know the Common Terms in The Use of a Financial Analysis (Net Present Value, Present Worth, ROI, Simple Payback)	●	●
	B. Calculate A Simple Payback, Breakeven Or Return On Investment		●
5.3 Apply Life Cycle Costing			
	A. Know the Common Terms on Life Cycle Costing	●	●
	B. Calculate Life Cycle Costs of a Simple Project, Process, or Product (Initial, Cyclical or Reoccurring, Salvage and Annual)	●	●
	C. Interpret the Time Value of Money	●	●
	D. Express the Economic Principles and Terminology of Capturing Total Life Cycle Costs and Apply Them in a Value Study		●

6. Pre-Workshop Stage			
6.1 Elicit Stakeholder Goals and Objectives for the Workshop			
	A. Appraise the Targeted Goals, Expectation, and Objectives the Client Wants Addressed		●
	B. Establish the Study Parameters Needed to Address Client Objectives: Scope of Study, Constraints, Duration, Appropriate SMEs, Stakeholder Involvement, Logistics		●
	C. Verify How Value Improvement Will Be Measured, e.g., Changes to Time, Cost and Performance, ROI, Quality, etc.		●
6.2 Assemble Appropriate Team Members			
	A. Identify the Correct Team Size Needed		●
	B. Identify Subject Matter Experts (SMEs) Needed		●
	C. Know When to Use More Than One Facilitator Based on Team Size		●
	D. Request Appropriate Stakeholder Participation (Right Stakeholder at the Right Time In the Study)		●
6.3 Develop an Agenda			
	A. Identify Activities and Milestones That Address the Six-Phase VM Job Plan		●
	B. Scale the Agenda to Address the Scope and Objectives		●
6.4 Acquire Information			
	A. Identify Information Needed		●
	B. Manage Information		●
	C. Distribute Information		●
6.5 Arrange Workshop Logistics			
	A. Identify and Coordinate the Workshop Venue Requirements: Room Location, Size, Safety and Security, Need for Breakout Rooms for Sub-Teams, Lodging, Transportation, etc.		●
	B. Identify Equipment and Material Needs, e.g., Projectors, Flip Charts, Copy Equipment, Computer and Internet Interfaces, etc.		●
	C. Identify and Coordinate Any Food and Beverage Requirements		●
	D. Arrange a Pre-Meeting With the Project Team and the Study Sponsor		●

7. Workshop Stage (Six-Phase VM Job Plan)			
7.1 Manage the Six Phases of the VM Job Plan			
	A. Express the Purpose and Procedures of Each Phase of the VM Job Plan	●	●
	B. Apply the Proper Technique to Achieve the Expected Outcome of Each Phase		●
	C. Express How Each Phase Builds on Its Previous Phases	●	●
	D. Express Potential Advantages and Disadvantages of Using Different Tools		●
	E. Tailor the Phases to Match the Needs of the Project Goals and Objectives		●
7.2 Complete Information Phase			
	A. Express Different Information Gathering Techniques	●	●
	B. Express Potential Advantages and Disadvantages of Using Different Techniques		●
	C. Apply the Appropriate Technique to Achieve the Expected Outcome		●
7.3 Complete Function Analysis Phase			
	A. Express Different Function Analysis Techniques	●	●
	B. Express Potential Advantages and Disadvantages of Using Different Techniques		●
	C. Apply the Appropriate Technique to Achieve the Expected Outcome		●
7.4 Complete Creative Phase			
	A. Express Different Creative Techniques	●	●
	B. Express Potential Advantages and Disadvantages of Using Different Tools		●
	C. Apply the Appropriate Technique to Achieve the Expected Outcome		●
	D. Foster a Creative Environment to Generate Ideas from the Team		●
7.5 Complete Evaluation Phase			
	A. Express Different Evaluation Techniques	●	●
	B. Express Potential Advantages and Disadvantages of Using Different Techniques		●
	C. Apply the Appropriate Technique to Achieve the Expected Outcome		●

7.6 Complete Development Phase			
	A. Express Different Development Techniques	●	●
	B. Express Potential Advantages and Disadvantages of Using Different Techniques		●
	C. Apply the Appropriate Technique to Achieve the Expected Outcome		●
	D. Develop Recommendations	●	●
	E. Identify Key Features to Sell Value Opportunities	●	●
	F. Suggest Path Forward for Implementation	●	●
7.7 Complete Presentation Phase			
	A. Manage the Audience		●
	B. Illustrate Key Value Recommendations	●	●
	C. Organize Information for Effective Delivery	●	●
	D. Leverage Visual Aids and Technologies to Deliver a Presentation	●	●
	E. Anticipate and Respond to Questions	●	●
	F. Express Key Features to Sell Value Opportunities	●	●
	G. Illustrate Path Forward for Implementation	●	●
8. Post-Workshop Stage			
8.1 Document Results			
	A. Document Value Study Results		●
	B. Elicit Comments		●
	C. Support Implementation		●
	D. Capture Status of Recommendations (If Possible)		●
9. Value Program			
9.1 Discuss a Value Program			
	A. Identify the Value Champion		●
	B. Restate Key Elements of a Successful Value Program (OMB Circular)		●
	C. Identify How to Select a Project		●
	D. Recognize the Need to Train Managers, Team Members and Decision Makers in VM		●