PMI Registered Education Provider® **Project Management Institute**

Certification Courses

- PMP® Exam Prep (4 days - **35 PDU's**)
- CAPM® Exam Prep (4 days - **26 PDU's**)
- PMI-PBA® Professional in Business Analysis (4 days - **35 PDU's**)
- PMI-ACP® Agile Certified Practitioner (3 days - **18 PDU's**)
- PfMP® PMI Portfolio Management Professional (2 days - **12 PDU's**)
- ITIL® 2011 Foundation Exam Test Prep (3 days - **18 PDU's**)
- ISTQB®-CTFL Certified Tester Foundation Level (3 days - **18 PDU's**)
- STABLE™ Master Chief Certification (2 days - **12 PDU's**)

Skill Training Courses

- Software Development Life-cycle (SDLC) Management (3 days - **18 PDU's**)
- Software Requirements Management (3 days - **18 PDU's**)
- Software Estimation (3 days - **18 PDU's**)
- IMPACT: Management, Leadership & Accountability (2 days - **12 PDU's**)

Attend any live class on-line using your PC and webcam.

Ask about our on-site seminars

We'll come to your location and provide training to your people in your environment. Group discounts apply.

Corporate Success Packages

Elevate your entire enterprise with a Corporate Success training package. Pay one price and improve every core discipline in your Enterprise. See our website for pricing.

Corporate Mentorship Package

Buy a Corporate Mentorship Package and receive all of the benefits of the Platinum Package plus direct mentoring to your senior staff from our senior trainer for a sixth month period.

Platinum Package

Our platinum package is a corporate upgrade. Send up to 40 individuals to our training programs including 5 on-site classes of your choice. Train your entire enterprise on the core industry frameworks offered by Red Rock and experience a transformational improvement enterprise-wide.

Gold Package

Our gold package is intended for several departments or a small business.. Send up to 25 individuals to our training classes including 3 on-site classes of your choice..

Silver Package

Our silver package is intended for a department or a small business.. Send up to 15 individuals to our training classes including 2 on-site classes of your choice..

The value of professional training...

It's common for an organization to send entry-level employees, new team members, or certification-bound associates for professional training. While this is marginally beneficial, it is really a form of damage-control, and not an investment in performance-tuning an organization.

High-performance organizations realize that sending their best employees for professional training produces exponential benefits within the organization because these talented employees already understand the fundamentals of their occupations and can retain more from the training process. Consequently, they are in a far better position to implement the new concepts inside the organization when they return from the training engagement.

This is not just our opinion, Gallup-poll studies support this conclusion and you can read about it in the book *Now, Discover Your Strengths*, by Marcus Buckingham and Donald O. Clifton.

Course Offerings

Software Development
Best Practice Seminars

Our mission is to equip professionals to reach their goals faster through advanced strategic, technical, and leadership skill development.

Visit our website
to register for our seminars: www.RedRockResearch.com

Performance Training

- Improve project management
- Improve development capabilities
- Improve leadership & management skills
- Complete projects on time and within budget
- Reduce IT costs by removing excess
- Increase ROI on IT spending
- Improve customer satisfaction
- Outperform your competition

PMI Registered Education Provider | Project Management Institute

John Maxwell **Team** Certified Member

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Certification & Skill Development

Software Development
seminars and consulting

RedRock RESEARCH
Software Development Best Practices

public seminars
on-site seminars
consulting

PMP® - Project Management Professional

4 days - 35 PDU's

The PMP® is the premier project management practice standard adopted by over 500,000 project managers in over 180 countries. Take our 4 day exam-prep course and be ready to pass your PMP® certification exam.

What you'll learn in class

- The History of PMI and the scope of PMP® Certification
- The Process Groups and Knowledge Areas that are listed in the PMBOK® Guide (Project Management Body of Knowledge)

The PMP® certification is appropriate for degreed professionals who have accrued 4500 hours of project management experience, or 7500 hours without a bachelor's degree.

Our PMP® certification training program is a favorite in the industry because we present the material in the PMBOK® Guide from the prospective of how a project should be planned and executed. Our intuitive approach makes the PMBOK® Guide easy to understand. Most attendees who follow our program pass their test on the first try.

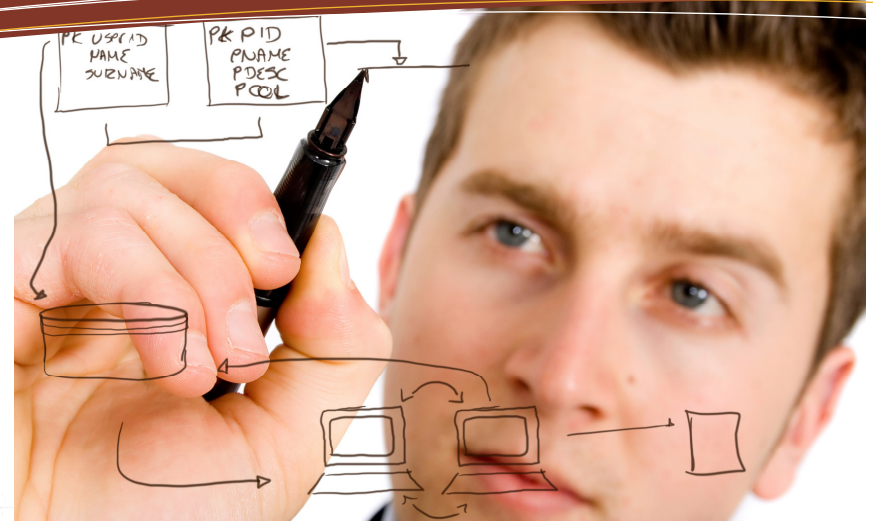## CAPM® - Certified Associate in Project Management

4 days - 26 PDU's

The CAPM® certification is appropriate for professionals interested in becoming project managers who have not met the minimum work experience requirements for obtaining a PMP®.

What you'll learn in class

- The CAPM® program is based on the PMBOK® Guide.

Obtain your CAPM® credential through Red Rock and come sit in on our PMP® class later to obtain your PMP® credential.

Software Requirements Management

3 days - 18 PDU's

According to software industry research, requirement skills are more critical to the overall success of a software project than any other manageable skill-set.

What you'll learn in class

- The Requirement Process: Elicitation, Analysis, Specification, and Validation
- Common requirements errors, and how to avoid them
- Various ways to write requirements
- How to develop a requirements baseline
- The three categories of software requirements
- Use Case diagramming using free UML tools
- How to construct data-flow diagrams
- Various ways to prioritize project requirements
- How to identify and qualify project risks
- How to create a Work Breakdown Structure (WBS)
- How a project progresses through various project documentation stages: Project Request Document (PRD), Business Case Analysis (BCA), High Level Analysis (HLA), Software Requirements Specification (SRS), Systems Design Description (SDD), and Concept of Operations (COO)
- How to create a High Level Analysis (HLA) document
- How to use a Software Requirements Specification (SRS) document
- How to build a product roadmap
- How to align project requirements with business goals
- Upstream and downstream traceability
- How to conduct proper requirements approvals
- How to manage scope creep via change control
- How to speed up the requirements process
- Learn how a requirements showcase can benefit your organization

RedRock RESEARCH
Software Development Best Practices

Class sizes are limited-register early!

For more details about a seminar, or to register for a seminar, visit: http//www.RedRockResearch.com

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Software Estimation

3 days - 18 PDU's

Often called a 'wicked problem', software estimation can be managed and performed successfully using these time-tested best practices.

What you'll learn in class

- Five categories of software estimates, and when each one is best used
- The 'Cone of Uncertainty' and other factors that make estimating challenging.
- Analogous estimation techniques: Fuzzy Logic, T-Shirt Sizing, Decomposition, Analogy, Delphi, Planning poker, etc.
- Parametric estimation techniques: Function Point Analysis: COCOMO II, COSMIC-FFP, Putnam Method, IFPUG, NESMA, SEER-SEM, 3D, MKII
- How to lower the risk of estimation error
- How to track project progress with control estimates
- How to estimate remaining defect levels in tested code
- How to determine which software development phases in your organization are most and least efficient at finding defects
- How to improve estimation accuracy at the department, project, and individual level

IMPACT: Management, Leadership, & Accountability

2 days - 12 PDU's

Leadership is influence. Learn fundamental patterns for leading your teams, managing your environment, and executing collectively for impact.

What you'll learn in class

- The difference between Management and Leadership
- How to map, measure, and manage an environment
- Best practices for managing data within an environment
- What is the role and comportment of a leader?
- Leadership styles: Command-control, Servant, Objective-based, Outcome-based
- What makes a great team?
- How to generate team spirit.
- How to create a cohesive, empowered, and high-performance team
- How to get accountability from your individual team members
- Transforming the culture within your team
- 5 dysfunctions of a team

JOHN MAXWELL
Team
CERTIFIED MEMBER

Training Performance Gains...

Project Management (PMP® & CAPM®)

- High performing organizations surveyed were 26% more likely to have ongoing project management training. - PMI®, Pulse of the Industry, 2014
- "Project management certification and project performance are clearly connected." - Price Waterhouse Coopers

Agile Project Management (PMI-PBA®)

- 568% more value delivered in first year going Agile. - Salesforce.com, 2008
- Agile projects are delivered 37% faster to market. - Michael Mah & Cutter, 2008
- Agile projects are 16% more productive. - Michael Mah & Cutter, 2008

Business Analysis and Requirement Skills (PMI-PBA®)

- Requirements skill capability accounts for an astounding 71% spread in total effort required to produce the same result. - Dr. Barry Boehm, *Software Engineering Economics*, 2001

Software Testing (ISTQB® - CTFL)

- 94% of managers feel that a software tester is more valuable to the organization after receiving professional certification. - Rice Consulting, 2011
- "A 10% cost savings is on the low side for test improvement processes." - Rice Consulting, 2011

Portfolio Management (PfPM®)

- 89% of highly effective companies surveyed practiced portfolio management at the strategic level. - PMI Pulse of the Profession 2012

ITIL® Benefits

- 30% increase in reaching target response time after 18 months. - Caterpillar
- 8% reduction in Operating Costs after 3 years - Proctor & Gamble

Grow your teams through direction, empowerment, accountability and success. *Have them value excellence over heroics.*

Consulting Services   Need an expert opinion? Call us today: 801-636-0043

PfPM® - Portfolio Management Professional

2 days - 12 PDU's

What's your organization's current strategy? Stumped?—just follow the money. Portfolio Management is a collection of practices that enable a company to evaluate and select the most strategic opportunities from the set of available opportunities that will enable the company to move forward in the marketplace.

What you'll learn in class

- Portfolio Management and Organizational Strategy
- Identifying and Measuring Business Value
- Portfolio Component Management Relationships
- Portfolio Management Body of Knowledge:
  - Strategic Management:
  - Governance Management
  - Performance Management
  - Communications Management
  - Risk Management
- Role of the PMO in Portfolio Management

ITIL® 2011 Foundation Certification

3 days - 18 PDU's

The Information Technology Infrastructure Library (ITIL®) is a popular framework for addressing Information Technology Service Management (ITSM). Take our exam prep boot camp and be prepared to pass your ITIL® 2011 Foundation certification test.

What you'll learn in class

- The history of ITIL & Foundation Concepts
- Domain I - Service Strategy
- Domain II - Service Design
- Domain III - Service Transition
- Domain IV - Service Operation
- Domain V - Continual Service Improvement

ISTQB® - CTFL Software Tester Certification

3 days - 18 PDU's

Earn your Certified Tester-Foundation Level (CTFL) certification from the International Software Tester Qualification Board (ISTQB®). Our 3 day exam prep boot camp prepares you with the fundamentals of software testing so you can pass your test and become certified as a software tester.

What you'll learn in class

- Fundamentals of software testing
- Seven testing principles
- The fundamental test process
- The psychology of testing
- Testing throughout the software life cycle
- Software development models
- Test levels and types
- Maintenance testing
- Static analysis using tools
- Testing design techniques
- The test development process
- Black-box, white-box testing
- Test management, organization, planning and estimating
- Test monitoring and controlling
- Configuration Management
- Incident management
- Tool support for testing including benefits and risks
- Best practices for adopting a testing tool

STABLE™ - Master Chief Certification

2 day - 12 PDU's

Introducing STABLE™, a new framework for operational excellence. STABLE is a simple set of patterns designed to enable any environment to achieve robust operational excellence. For use in Development, DevOps, Operations, Network Support, Help Desk, Implementation, etc.

What you'll learn in class

- The STABLE™ Framework
- Value Stream Alignment
  - Customer Expectations and Service Level Agreements
  - Measuring to Improve Customer Satisfaction
- System Building: From 95 to Five Nines
  - Identifying Value Cycles
  - Developing a System Building Culture
  - Continuous Improvement
- Information Management
  - Preserving Institutional Knowledge
  - Coordinated Communications
  - Critical Recovery
- Extreme Ownership & Accountability

Need a second opinion?

Call our experts. 801-636-0043. M-F 9 am - 6 pm.

Software Development Life Cycle (SDLC) Management

3 days - 18 PDU's

Drafted specifically for managers, this course covers best practices for managing your environment, maximizing your team's productivity, and producing high-quality software that is delivered on-time within-budget and at desired quality levels.

What you'll learn in class

- The history and predominant influencers of the software development industry
- The different software lifecycles and the best scenario to use each one
- How to manage the software development process effectively
- How to compose project documentation (Project Charter, High Level Analysis, Software Requirements Specification, System Design Description, etc.)
- The fundamentals of documenting project requirements
- How to manage the approval process effectively including dealing with approval resistance
- How to communicate and work effectively with all stakeholders in a project
- How to manage stakeholders expectations effectively
- How to document and report on daily project progress
- How to manage multiple project requests from various sources
- How to manage teams of people effectively building credibility, trust, and buy-in
- Effective hiring and staffing strategies
- How to measure your teams Productivity Index and compare it with others in the industry
- How to work effectively with peers
- How to work effectively with product marketing teams
- Quality system fundamentals
- The 25 most dangerous security errors
- Large-scale architectures, load-balancing, and data-warehousing
- Practices that improve the success rate of off-shore development

PMI-PBA® Professional in Business Analysis

4 days - 35 PDU's

The PMI-PBA® credential is a business analysis curriculum designed specifically around the Project Management Body of Knowledge (PMBOK®) Framework enabling your business analyst's and PMP's to work in harmony to achieve project objectives.

What you'll learn in class

- The history of PMI
- BA foundation concepts
- Domain I - Needs Assessment
  - Constructing a Situation Statement and a Business Case
- Domain II - BA Planning
  - Creating a Requirements Management Plan
- Domain III - Requirements Elicitation & Analysis
  - Performing elicitation activities
- Domain IV - Traceability & Monitoring
  - Creating a Traceability Matrix
  - Managing changes to requirements
- Domain V - Solution Evaluation
  - Evaluating solution results for impact and ROI

PMI-ACP® Agile Certified Practitioner

3 days - 18 PDU's

The most useful Agile certification in the industry—the PMI-ACP® is a combination of the popular Scrum Framework accessorized for larger projects, the innovative practices of Extreme Programming (XP), and the efficient philosophies of Lean Manufacturing.

What you'll learn in class

- The history of software development and Agile
- The Scrum framework
- Sprint Planning, Daily Scrum, Sprint Demos & Retrospectives
- PMI-ACP® Accessories to scale Scrum to larger projects
- Practices of Extreme Programming (XP)
- Analysis and design techniques using Use Case diagramming, storyboarding, user stories, and story points
- Planning-poker and other Agile estimation techniques
- Value-stream mapping
- Servant-leadership and team-building techniques
- Developing Personas for better results
- Domain I - Value Driven Delivery
- Domain II - Stakeholder Engagement
- Domain III - Boosting Team Performance Practices
- Domain IV - Adaptive Planning
- Domain V - Problem Detection & Resolution
- Domain VI - Continuous Improvement

RedRock RESEARCH
Software Development Best Practices

Recent layoffs? Invest in the people you keep.

Software development studies show that personnel factors alone amount to a productivity variance of 313%! Be sure your people have up-to-date training.

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