



Caltech Advanced Project Management Certificate Program

Open Schedule 2022

► ctme.caltech.edu/apm

Learning Model: OnDemand

Format: 16-hour individual short-courses, Public

Certificate: Complete any five of course selections

Schedule: Always available; Rotating schedule (check online as courses schedules may vary).

Program Objectives

Caltech's new Advanced Project Management (APM) is the on-demand, personalized certificate program for experienced project professionals and teams. We specifically designed APM to complement your previous project management learning and for the challenges that senior practitioners face most—complexity, change leadership, and more.

APM is highly flexible and targets your interests. Choose from 12 short courses, and complete only five to obtain a Caltech certificate that fits your specific needs. You may also take individual courses without completing the entire certificate. Follow a theme to tailor your learning, such as delivery complexity, communicating effectively, or leading strategic change. Courses will be available multiple times per year and can be taken in any order.

Learning Objectives

Each online course is available over the web or mobile device. Pre-recorded lectures are on-demand to fit your busy schedule. Instructors also host live office hours or reviews online, which you can attend at your option. Each course is available for four weeks and takes about 16 hours of effort to complete, including readings and assignments.

All courses are rigorous and pass/fail. Instructors and facilitators are available during the program, if needed.

Complete any five of the 10+ courses to tailor your Certificate in Advanced Project Management:

Agile Techniques for Project Management

Critical Communications: Storytelling & Presentations

Dealing With Project Change

Flexibility & Predictability: Managing Multiple Projects

Leading Effective Complex Projects

Leading Organizational Change

Leading Strategy Projects

Managing New Product Development

Managing Supplier Performance

Managing Without Authority

Project Rescue and Recovery

DOWNLOAD the multi-course syllabus [here](#).

Participants

The APM Program is designed for senior project managers and professionals needing to upskill for new challenges, including managers, team leads, developers, engineers, researchers, technologists, analysts, and consultants. This program is advised for professionals seeking to maintain certification as a Project Management Professional (PMP®) from the Project Management Institute.

Why CTME

Leaders who aspire to innovate and execute come to Caltech's Center for Technology and Management Education (CTME). Here, you will do more than attend a class. You will develop new mindsets, technology skills, and leadership capacity to master the complex issues that challenge your organization today.

Instructors with real industry insight—Each of our educators bring decades of real world experience and leadership from roles in research, engineering, commercialization, manufacturing, operations and executive accountability of technology-driven organizations and government agencies.

Action-learning is more than just experiential. We facilitate real impact through small groups working on actual problems which, with Caltech coaching and structure, grows individuals, teams, and organizations to adapt to new challenges.

Concentrated customization is how we distinctively prepare curricula and content. We work with clients to understand their challenges and capability needs for 21st century talent. Integrating your specific context, cases, and methods with the proprietary approaches of Caltech and its affiliates, makes CTME your best learning partner.

Global delivery is how we scale experiences and results. Going beyond online programs, we convene rotating cohorts through their company's international locations. Learners value guided facilitation and mastery where personal interactions are more productive.

About Caltech

Caltech is a world-renowned science and engineering institute that marshals some of the world's brightest minds and most innovative tools to address fundamental scientific questions and pressing societal challenges. Caltech prizes excellence and ambition. The contributions of Caltech's faculty and alumni have earned national and international recognition, including over 40 Nobel Prizes. The Institute manages the Jet Propulsion Laboratory (JPL) for NASA.

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Nathaniel Crews, PMP, CBAP, ACP, CSP, PRINCE2, SPC4.5, has over 35 years of experience as an application developer, systems integrator, project manager, program manager, PMO director, scrum master, and agile coach.

Chris Christensen, PMP, specializes in project management, quality improvement, product development, futures research, and strategic planning. He is a certified Six Sigma Black Belt, Certified Quality Engineer, and Certified Quality Manager.

Steve McNamara, has over 40 years of experience in supply chain management, major subcontractor management and supplier quality, specializing in the management of technically-complex development and production subcontractors on defense and communication space satellite systems, air combat systems and ground communication systems.

Tim Boyd, specializes in systems engineering, project management and organizational leadership development. He has experience in a wide variety of mission areas including space, air and ground systems, as well as the systems engineering life cycle. Time Boyd is a Caltech Alum.

Michael Brenner, has 25 years of experience in the aerospace industry at the Jet Propulsion Laboratory, supporting space imaging systems in the advanced instruments division. He has experience in system engineering, electronics design, optical system design, flight instrument integration and test, product delivery management, and project management.

David Shostak, is a senior program manager with over 40 years of experience in technical, diversified fields. He has developed program plans, market strategy, analysis, marketing roadmaps, and maintenance documentation, and has presented to senior business executives, government officials, three-star generals, and customers. Mr. Shostak focuses on worldwide product launches, including interaction with European, Mideast, and Asian counterparts.



Caltech is a Premier Authorized Training Partner with the Project Management Institute (PMI®).

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Programs, dates, fees, and instructors are subject to change.

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