

GRADUATE CERTIFICATE IN INFORMATION TECHNOLOGY PROJECT MANAGEMENT

*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.

Project management is found across the private, public, and military sectors - especially within Information Technology (IT). This certificate is designed for both technical and non-technical students who want to gain the knowledge and skills relating to project management, software development, or IT project management.

Completion of this certificate provides a deep understanding of the project management process, information technology management, agile project management, and other special topics.

Students interested in graduate work should refer to the Graduate and Professional Bulletin (<https://catalog.colostate.edu/general-catalog/graduate-bulletin/>).

Learning Objectives

Upon successful completion, students will be able to:

1. Understand and apply IT architecture and services models of computing.
2. Understand and apply a systems development methodology.
3. Understand the role of data, information, and knowledge in decision making.
4. Organize, participate in, and manage an IT project.
5. Participate in tactical and strategic planning for an IT project.
6. Analyze a problem domain and design a solution set using an accepted methodology.
7. Define deliverables, milestones, and activities of an IT project.

Requirements

In the information technology areas, project management is found across the private, public, and military sectors. The Certificate includes a deep understanding of the 10 knowledge areas and the 42 grouped processes required by the Project Management Institute®, information technology management, agile project management, and other special topics. Completion of this certificate also prepares the recipient to sit for the PMP® Certification or the CAP-M® Certification exam.

Effective Fall 2020

Additional coursework may be required due to prerequisites.

Code	Title	Credits
Select 9 credits from the following:		9
CIS 600A	Project Management: Information Technology	
CIS 670	Advanced IT Project Management	
CIS 675	Agile Management and Product Development	
CIS 676	Information Technology Management	
Program Total Credits:		9