



University of Colorado  
Boulder

Nov 5, 2024

**José Cárdenas Ruiz**

has successfully completed

**The Need for Systems Engineering**

an online non-credit course authorized by University of Colorado Boulder and offered through Coursera

A handwritten signature in black ink, reading "William T. Van Atten".

William Van Atten  
Lecturer  
Lockheed Martin Engineering Management Program

COURSE  
CERTIFICATE



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