

# ENGINEERING LEADERSHIP CERTIFICATE

## Program Description

Engineers are uniquely well suited to be strong leaders through their mastery of analysis and problem-solving skills. Yet many lack formal management training in the soft skills necessary to help teams and organizations reach their highest potential.

In this certificate program, you'll have the opportunity to analyze your own leadership attributes and decision-making styles, strengthen essential communication, motivation, and influencing skills, and ultimately plan for future personal growth and success in the management of technical and project teams.

For the best experience in this program it is recommended to take these courses in the order that they appear.

This program includes a year of free access to **Symposium!** These events feature several days of live, highly participatory virtual Zoom sessions with Cornell faculty and experts to explore the most pressing leadership topics. Symposium events are held several times throughout the year. Once enrolled in your program, you will receive information about upcoming events.

Throughout the year, you may participate in as many sessions as you wish. Attending Symposium sessions is not required to successfully complete the certificate program.

## Key Takeaways

- Manage teams of engineers and technologists
- Motivate people to top performance
- Increase effectiveness in leading projects and gaining stakeholder buy-in
- Apply your strengths and core values to increase team performance
- Recognize factors that interfere with effective communication
- Adapt advanced techniques for everyday interaction
- Practice courageous communication and deliver persuasive messaging
- Manage emotional reactions to common workplace issues
- Positively reframe challenging workplace situations

## What You'll Earn

- Engineering Leadership Certificate from Cornell University's College of Engineering
- 60 Professional Development Hours (6 CEUs)

## Who Should Enroll

- Both emerging and experienced engineering leaders
- Early to mid-career engineers looking to move into a leadership role
- Business leaders who work with engineers and technology professionals
- Graduate students transitioning from an academic track to an industry track

## Total Investment

- 3 months to complete all the courses

## How To Enroll

For more information and to enroll, please visit Engineering Leadership Certificate (<https://ecornell.cornell.edu/certificates/leadership-and-strategic-management/engineering-leadership/>).

## Courses

| Code             | Title                                               | Hours |
|------------------|-----------------------------------------------------|-------|
| eCornell CEEL501 | Strengths-Based Engineering Leadership              | 0     |
| eCornell CEEL502 | Values-Based Engineering Leadership                 | 0     |
| eCornell CEEL503 | Decision-Making Skills for Engineering Leaders      | 0     |
| eCornell CEEL504 | Collaborative Communication for Engineering Leaders | 0     |
| eCornell CEEL505 | Courageous Communication for Engineering Leaders    | 0     |
| eCornell CEEL506 | Influence and Motivation for Engineering Leaders    | 0     |