

# Engineering Leadership

A PROFESSIONAL DEVELOPMENT PROGRAM AT CALIFORNIA STATE UNIVERSITY, CHICO

*Are you a high-potential employee seeking to move up within your organization? Do you aim to be better and more valuable than your competition? This may have seemed out of your grasp...until now.*

## Distinguish Yourself as a Leader

From biomedical to aerospace to computer and many more, there are a multitude of engineering specialties and careers. To excel as a leader in your field, it is important to have a foundation for leadership that can be implemented and measured across multiple disciplines. This professional development program will provide you with the ability to interact as a leader, develop your skills as a leader, and execute as a leader within multiple types of engineering environments.

Through the **Engineering Leadership Professional Development Program**, you'll learn to:

- Analyze styles of leadership and associated skills.
- Demonstrate effective communication skills across a variety of mediums and cultures.
- Demonstrate an understanding of how to lead innovative projects for scalability.
- Create a positive organizational culture that fosters leadership, mentorship, and team building.
- Uphold ethical and moral standards, with consideration of impacts on social, political, economic, and technological issues.
- Successfully lead and participate as a member of multi-disciplinary teams in diverse cultural environments.
- Apply critical thinking to design solutions to complex problems.



*Online Programs Now Open*

## Ready to Level Up?

Break away from your daily routine and immerse yourself in real-life challenges, expert thought leadership, strategy sessions, innovation frameworks, and multiple engineering cultures, from technical, to mechanical, to managerial. Learn more about the online Engineering Leadership program at:

[rce.csuchico.edu/engineering-leadership](http://rce.csuchico.edu/engineering-leadership)

# **Engineering Leadership**



## Program Curriculum

### **MODULE 1: EFFECTIVE LEADERSHIP ELEMENTS & STYLE**

- Learn the tools of authentic leadership.
- Develop personalized styles of leadership.
- Create the framework for your position of authority.

### **MODULE 2: LEADERSHIP & COMMUNICATION TOOLS**

- Discover the power of persuasion and influence.
- Establish effective presentation techniques and storytelling skills.
- Learn the principles of purposeful communication.
- Improve your public writing skills.
- Change your team's dynamic with Situational Leadership.

### **MODULE 3: THEORETICAL LEADERSHIP MODELS**

- Learn to be an inclusive leader with Relational Leadership.
- Breakdown the difference between transformational and transactional styles.
- Understand the goals and challenges of management vs. leadership.

### **MODULE 4: LEADING INNOVATION & NEW PRODUCT DEVELOPMENT**

- Discover how to encourage creativity to lead to productivity.
- Develop an effective performance management system.
- Learn to recognize the salability and scalability of new products.
- Uncover your technical competencies and abilities for execution.

### **MODULE 5: SUSTAINABLE ENGINEERING & LEADERSHIP**

- Learn how to expand your corporate social opportunities.
- Engage your team by spotlighting your professional credibility and engineering ethics.
- Explore case studies on sustainable engineering.

### **MODULE 6: CREATING A POSITIVE CORPORATE CULTURE**

- Develop new ways to lead remote teams.
- Foster engagement both locally and virtually.
- Learn to manage change and conflict among employees.
- Discover the tools needed for effective problem solving and critical thinking.

### **MODULE 7: GLOBAL LEADERSHIP & DIVERSITY**

- Harness your speaking style for presenting to a global audience.
- Learn how diversity, judgment and acceptance affect the workplace.
- Understand the variables of motivational theory and emotional intelligence.
- Remove stereotypes and overcome generational bias.

### **MODULE 8: COMPETENCIES & MEASURES FOR ENGINEERING LEADERSHIP**

- Analyze the actions, assessment, and progress in engineering.
- Uncover the need for self-actualization and mentorship in the workplace.
- Devise an individual leadership development plan of action.

**Get Started Today! | 916-245-2287**

# Learn from Industry Leaders, Professionals & Education Experts

Our distinguished program faculty is comprised of industry leaders, professionals, and educational experts.



**DR. JOY ALLEN**

Joy has held roles in leadership and higher education for 31 years. She focuses on teaching organizational culture and change, leadership and followship, and personal and professional development. She is a collaborative leader who enjoys team interaction and works with executive and professional MBA students on their personal development.



**DR. HOSSEIN ATAEI**

Hossein has a PhD in Civil Engineering, and is a registered engineer in the US and Canada. He teaches courses in civil engineering and construction engineering, and is heavily published and renowned in design, business administration, and project management of large civil infrastructure systems. He also provides risk advisory consulting services.



**ANJALI BARNICK, PhD**

For 25 years, Anjali has worked with engineering clients and consulted as a project manager. She's teaches in various arenas and has developed a curriculum for many institutions' engineering, business, and education programs. Her teaching philosophy is, "You are capable of learning anything with patience and dedication. It's worth the effort."



**LEN GRINSTEAD**

Over the years, Dr. Grinstead has served in a variety of academic roles, including positions in human resources in both corporate and higher education settings. He has worked in recruitment, training, and development, and was an HR generalist in nuclear stations for Exelon. He loves teaching, and his background in HR Management is relevant to a variety of courses.

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## Join Our Online Program



Each of the modules is presented weekly, along with videos, references, assignments, chat, and collaborative sessions. You'll work on a capstone project and at the end of the class, you will have completed your very own Engineering Leadership Portfolio.

- Leadership portfolio & all course materials
- Group discussions
- Interactive projects
- 8 weeks of mentoring

**Reserve your seat in one of our upcoming programs! (\$4,995)**

For more information and to get started today, contact our program manager:

• **916-245-2287**

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