

# ENGINEERING LEADERSHIP PROGRAM (ENLP)

## Courses

### ENLP 2000 (3) Leadership, Fame and Failure

Examines the ambition, moral character, prudence and grit required for effective leadership. Common causes of leadership failure are also considered. A wide variety of ancient and modern leaders are studied in the disciplines of science and technology, politics, business and military affairs using primary source readings in history, philosophy and literature. Also explores whether leadership is a teachable art.

**Requisites:** Restricted to students with 0-56 credits (Freshmen or Sophomore) College of Engineering majors only.

### ENLP 3000 (3) Intelligent Leadership

Investigates what it means to be a "smart" leader. In small, discussion-based classes, explores science fiction texts and social science research that generate fundamental questions about the dimensions, manifestations and value of intelligence in contexts related to leadership. Students explore social science research about how course themes are reflected in present-day, "real-life" technologies, policies and cultural phenomena.

**Requisites:** Restricted to College of Engineering undergraduate students only.

### ENLP 3052 (2) Leadership Seminar 2: Leadership Experience

Tackling a leadership experience of their own design, students undertake a key component of the Engineering Leadership Program experience and a requirement for the completion of the Engineering Leadership Certificate. Guides students through a process of planning, executing and evaluating their leadership experience and progress toward personalized leadership development goals. Coursework involves working with a mentor, collaborating with peers and conducting research. Formerly COEN 3052.

**Requisites:** Requires a prerequisite course of COEN 2050 (minimum grade D-). Restricted to Engineering Leadership Program (PENL) students only.

### ENLP 3060 (3) Our Sustainable Future CU-in-DC Seminar

Taught in Washington, D.C., this seminar combines traditional classroom learning with diverse site visits with sustainability practitioners, analysts, regulators, and business and community leaders. Students will engage complex and interdependent problems of regional and global sustainability, they will critically explore what role business and science should have in creating environmental policies, and they will learn how stakeholders across the private, non-profit, and public sectors can work collaboratively to achieve a more socially-equitable and environmentally-sustainable world.

**Equivalent - Duplicate Degree Credit Not Granted:** CESR 3060

**Requisites:** Restricted to students with 27-180 credits (Sophomores, Juniors or Seniors).

**Recommended:** preference will be given to Engineering and Business majors.

### ENLP 3100 (3-4) Complex Leadership Challenges

Approaches leadership as a process of inquiry, empathy, and action, cultivating skills leaders need to understand, communicate about, and generate innovative approaches to complex issues. Each student conducts extensive, principled research about a complex social issue of their choice, investigating its multidimensionality by applying different analytic lenses. Instructor consent required for students not in Engineering Leadership. Formerly COEN 3050.

**Requisites:** Requires prerequisite course of ENLP 2000 or ENLP 3000 (minimum grade C).

### ENLP 3843 (3) Special Topics

Explores different important themes in leadership; check with department for specific semester topics.

**Repeatable:** Repeatable for up to 6.00 total credit hours.

**Requisites:** Restricted to students in College of Engineering and Applied Science (ENGR) only.

### ENLP 4000 (3) The Empire of Modern Science

Examines science and technology's rise to the status of political, cultural and economic leader of the modern world. Also considers the ambitions and limits of the modern scientific enterprise, and investigates whether scientists are adequately equipped to lead humanity's political, spiritual and evolutionary future. Readings are drawn from primary sources in history, economics politics, philosophy and literature. Recommended restriction: this course is recommended for Sophomores, Juniors, and Seniors.

**Requisites:** Restricted to College of Engineering (ENGRU) undergraduates only.

**Recommended:** Prerequisite ENLP 2000 or ENLP 3000.