



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Career Exploration and Professional Development

## ENGREDU 7900

**Credit Hours:**

3.00 - 3.00

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**Course Levels:**

Graduate (5000-8000 level)

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**Course Components:**

Seminar

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**Course Description:**

This course is designed to prepare students for future careers and professional advancement at universities, colleges, community colleges, and technical colleges (both in tenure-track and clinical faculty appointments), government agencies, private industry, corporate training organizations, non-profits, and high schools challenged with incorporating engineering design into core science standards.

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### **Course Goals / Objectives:**

- Discuss the main perspectives of contemporary educational issues and describe impact on stakeholders with attention to inclusion of multiple perspectives and demographics.
- Identify primary stakeholders of engineering education.
- Define appropriate engagement strategies with stakeholders.
- Interpret stakeholder needs in relationship to engineering education
- Create an action plan to address one or more stakeholder needs.
- Propose a professional development agenda illustrating pathways for lifelong learning in engineering.
- Demonstrate engagement within opportunities for lifelong learning in engineering.
- Reflect with curiosity about what can be learned from communities and cultures with attention to inclusion of multiple perspectives and demographics in order to create synergy in the midst of differences.
- Critique specific communications considering a range of potential audiences.
- Discuss the elements of effective leadership skills, including self-awareness, resource management, and motivating others.
- Describe the project management process and primary constraints including scope, schedule, budget, and quality
- Critique project management from a variety of sectors including education, development, and industry.
- Describe documents prepared regularly in professional career contexts and identify quality indicators of each.
- Prepare documents and demonstrate effective communication skills appropriate to a variety of job search and career advancement processes
- Solicit feedback from multiple sources and revise professional documents appropriate to career goals.
- Describe multiple continuing education learning experiences explaining the value of lifelong learning.

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### **Course Topics:**

- Teamwork
- Project Management
- Career Options and Job Search Dynamics
- EED Stakeholders
- Empathy
- Professional Development

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### **Designation:**

Required