Minor in Engineering Leadership Development

The Minor in Engineering Leadership Development prepares engineering students for life-long leadership roles in education, industry, and government. The minor complements the technical skills and knowledge students acquire during their academic careers to better prepare them for leadership and collaborative roles in their professional futures. Students in the A. James Clark School of Engineering earn a Minor in Engineering Leadership Development by completing coursework which focuses on communication, global awareness, project management, understanding oneself and working effectively with others.

Requirements for a Minor in Engineering Leadership Development

The Minor in Engineering Leadership Development consists of 16 credit hours. A maximum of six credits may also count toward the student’s major, and no more than six credits may be taken at an institution other than the University of Maryland College Park. All courses counted toward the minor must be completed with a “C” (2.0/4.0) or better. The following courses are required:

- ENES 317: Introduction to Engineering Leadership (3 credits)
- ENCE 320: Engineering Project Management (3 credits)
- ENES 472: International Business Cultures in Engineering and Technology (3 credits)
- ENES 424: Engineering Leadership Capstone Course (3 credits)
- EDHI 338: Intergroup Dialogue (1 credit)
- Elective (3 credits): Requires advisor approval; see website for suggestions:
  http://www.ursp.umd.edu/leadership-minor/minor-leadership.html

Note: ENES 317 must be successfully completed before ENES 424. ENES 472 or ENCE 320 can be taken as a co-requisite with ENES 424.

Minor in Engineering Leadership Development Advisors

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1131 Glenn L Martin Hall
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**When are the required courses offered?**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td>ENES 317</td>
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<tr>
<td>ENCE 320</td>
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<td>x</td>
<td>x (possibly)</td>
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<td>(ask Al Santos <a href="mailto:asantos@umd.edu">asantos@umd.edu</a> for permission to register for this class)</td>
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<tr>
<td>ENES 472</td>
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<td>x (abroad)</td>
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<td>x (possibly)</td>
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<td>ENES 424</td>
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<td>EDHI 338</td>
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<td>(to register for EDHI 338, follow the instructions in the Schedule of Classes on Testudo)</td>
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**How will I choose my elective?**

Courses listed below are *examples* of electives; this list is not exhaustive, and courses other than those listed below can count towards the elective requirement. Students will choose one three-credit elective in consultation with the minor advisor.

- BIOE 150 Applied Ethics and Public Policy in Bioengineering
- BMGT 220 Principles of Accounting
- BMGT 360 Human Resource Management
- BSOS 301 Leadership in a Multicultural Society
- EDCP 217 Introduction to Leadership
- EDCP 220 Introduction to Human Diversity in Social Institutions
- EDCP 318 Applied Contextual Leadership
- EDCP 418 Leadership & Identity
- EDCP 420 Advanced Topics in Human Diversity and Advocacy
- ENES 288L/458L Global Perspectives of Leadership
- ENES 460 Fundamentals of Technology Start-Up Ventures
- ENES 480 Engineering Honors Seminar (1 credit)*
- ENES 481 Engineering Honors Seminar (1 credit)*
- ENES 498 Special Topics in Entrepreneurship (restricted to students in Hinman CEOs)
- ENCE 421 Legal Aspects of Engineering Practice
- ENME 489B Lean Six Sigma
- ENME 489J Production Management
- ENME 489Q Managing for Innovation and Quality
- GEMS 208 Special Topics in Leadership and Team Development (restricted to students in Gemstone)
- PHIL 282 Action and Responsibility
- PSYC 361 Survey of Industrial and Organizational Psychology
- PUAF 359C Contemporary Issues in Political Leadership and Participation: Advocacy in the American Political System
- PUAF 359R Contemporary Issues in Political Leadership and Participation: African American Leadership
- PUAF 359W Contemporary Issues in Political Leadership and Participation: Women in Leadership
- SOCY 431 Principles of Organizations

*These courses are only worth 1 credit therefore students must find an additional 2 credits to fulfill the elective requirement.