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-” or better and you must have a 2.0 overall minor GPA. The following courses are required:

- ENES 317: Introduction to Engineering Leadership (3 credits) (SP)
- 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](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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(April 1, 2013)
### 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 (SP)</td>
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<td>ENCE 320 (you must have 60 credits by the semester you enroll in this course)</td>
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<td>ENES 472</td>
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<td>ENES 424</td>
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<td>EDHI 338</td>
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(ask Al Santos asantos@umd.edu for permission to register for this class)

### 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. The spirit of the Minor elective is to take an additional course in leadership that compliments your other Minor coursework. You are welcome to identify another course you believe has a connection to leadership and request to your Minor advisor that the course be approved as your elective. Students will choose one three-credit elective in consultation with the minor advisor.

- BIOE 150 Applied Ethics and Public Policy in Bioengineering (SB) (SP)
- BMGT 360 Strategic Management of Human Capital
- EDCP 217 Introduction to Student Leadership
- EDCP 220 Introduction to Human Diversity in Social Institutions (SB, D) (UP)
- EDCP 318 Applied Contextual Leadership
- EDCP 418 Special Topics in Leadership (some sections offered as CC)
- ENEE 200 Social & Ethical Dimensions of Engineering Technology (IE)
- ENES288L/458L Global Perspectives of Leadership for Engineering, Business, and Technology
- ENES 390H Systems Thinking for Managerial Decision Making (Restricted to QUEST)
- ENES 462 Marketing High-Technology Products and Innovations (restricted to students in Hinman CEOs or Hillman Entrepreneurs)
- ENES 464 International Entrepreneurship and Innovation (restricted to students in Hinman CEOs or Hillman Entrepreneurs)
- ENES 480 Engineering Honors Seminar (1 credit)*
- ENES 481 Engineering Honors Seminar (1 credit)*
- ENES 498E Entrepreneurship in Chemical and Life Sciences
- ENCE 421 Legal Aspects of Engineering Practice
- ENME 426/BMGT385 Product Management/Operations Management
- ENME392 Statistical Methods for Product and Processes Development
- ENME 466 Lean Six Sigma
- ENME 426 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 Free Will & Determinism (HO) (HU)
- PSYC 361 Survey of Industrial and Organizational Psychology
- PUAF 359C Contemporary Issues in Political Leadership and Participation: Advocacy in the American Political System
- PUAF 359J Leading to Get Results
- PUAF 359W Contemporary Issues in Political Leadership and Participation: Women and Politics
- SOCY 325 The Sociology of Gender
- SOCY 431 Principles of Organizations

*Course is worth 1 credit therefore students must find an additional 2 credits to fulfill the elective requirement.

(April 1, 2013)