

**B. S. in Engineering**  
**Cooperative (Dual Degree) Option in Engineering**  
**(3 years at EIU, followed by 2 years at UIUC or SIUC)**

**For all fields except Chemical**

**Option 2: With Math Review**

FRESHMAN YEAR			
Fall Semester		Spring Semester	
PHY 1000, Engineering Seminar	0	PHY 1000, Engineering Seminar	0
ENG 1001G, Composition	3	ENG 1002G, Literature	3
MAT 1400, Precalculus	3	MAT 1441G, Calculus I	5
MAT 1330, Trigonometry	2	PHY 1351G, Mechanics	3
CHM 1310G, Chemistry 1	3	PHY1352G, Lab I	1
CHM1315G, Chemistry 1 Lab	1	CHM 1410, Chemistry 2	3
Social and Behavioral (ECN 2801G)	3	CHM 1415, Chemistry 2 Lab	1
	15		16
SOPHOMORE YEAR			
Fall Semester		Spring Semester	
PHY 1000, Engineering Seminar	0	PHY 1000, Engineering Seminar	0
MAT 2442, Calculus 2	5	MAT 2443, Calculus 3	3
PHY 1361, Thermo/Electricity/Magnetism	3	PHY 1371, Waves/Sound/Optics/Modern	3
PHY 1362, Lab II	1	PHY 1372, Lab III	1
MAT 2170, Java	4	INT 2043, Engineering Graphics	3
Social and Behavioral (G)	3	CMN 1310G, Speech Communication	3
	16	Social and Behavioral (G)	3
			16
JUNIOR YEAR			
Fall Semester		Spring Semester	
PHY 1000, Engineering Seminar	0	PHY 1000, Engineering Seminar	0
PHY 2390, Statics	3	PHY 2400, Dynamics	3
MAT 3501, Differential Equations	3	PHY 3270, Circuit Analysis	4
Math 2550, Linear Algebra	3	Humanities or Fine Arts (G)	3
Fine Arts (G)	3		
Humanities (G)	3	Scientific Awareness, Biological Sciences (G)	3
	15		13

\*Social Science, Humanities, and Fine Arts courses should be selected in consultation with an advisor.  
\*\* All transfer students to UIUC must have completed the equivalent of the intermediate level (or 3 high school years) of a single foreign language with a grade of C or better.  
\*\*\* Submissions to the writing portfolio are also required.  
\*\*\*\* One (G) course must have a focus on cultural diversity.  
\*\*\*\*\*A total of 90 semester hours is required.

09-20-2008