

**COLLEGE OF ENGINEERING ADMISSIONS GUIDELINES**

In all transferable coursework, applicants must earn a minimum cumulative grade point average of 2.50/4.00 for Illinois residents (2.75/4.00 for non-residents) in each of two categories: overall and technical (Math, Science, and Engineering courses). **The recommended science and math coursework for most majors includes CHEM 112, PHYS 141, PHYS 142; MATH 180, MATH 181, MATH 210, MATH 220. Computer Science applicants have additional science choices: Bios 100, Bios 101, Chem 116, Eaes 101, Eaes 102.** Courses in which grades of “D” are earned will not be applied toward the degree. Students must earn the final 60 semester hours at a baccalaureate degree granting institution. Based on the UIC 2007-2009 catalog, this guide is valid for students who enroll through Summer 2009. UIC reserves the right to change the curriculum at any time. The College of Engineering can be reached at (312) 996-3463.

**REQUIRED COURSES IN THE MAJOR**

Each major in the College of Engineering has different graduation requirements. **LOCATE THE COLUMN WHICH HAS YOUR DESIRED MAJOR; FOLLOW IT STRAIGHT DOWN.**

**R** = Recommended before admission

**X** = Applies toward degree

**R#** = CS course recommended before admission; 12 hours of lab sciences with one 2-course lab sequence selected from Biology, Chemistry or Physics

UIC Course	CLC Course	CLC Course Title	Bioengineering	Chemical Engineering	Civil Engineering	Computer Engineering	Computer Science		Electrical Engineering	Engineering Management	Engineering Physics	Industrial Engineering	Mechanical Engineering
							CS	CSO					
ACTG 110	ACC 121	Financial Accounting								X			
ACTG 111	ACC 122	Managerial Accounting								X			
BIOS 100	BIO 161	General Biology I	X				R#						
BIOS 101	BIO 162	General Biology II					R#						
CME 201 + ME 210	EGR 221	Statics and Dynamics	X		X					X	X	X	X
CME 203	EGR 222	Engr. Mechanics of Materials	X		X					X	X	X	X
CHEM 112	CHM 121	General Chemistry I	R	R	R	R	R#		R	R	R	R	R
CHEM 114	CHM 123	General Chemistry II	X	X			R#						
CHEM 232, 233	CHM 222	Organic Chemistry I		X									
CHEM 234	CHM 223	Organic Chemistry II		X									
EAES 101	GEO 121	Physical Geology					R#						
EAES 102	GEO 122	Historical Geology					R#						
ECON 120	ECO 222	Principles of Microeconomics								X			
ECON 121	ECO 221	Principles of Macroeconomics								X			
CS 102 / 107 / 109	MCS 142	Computer Science II	X	X	X	X	X	X	X	X	X	X	X
ECE 210	EGR 260	Introduction to Circuit Analysis	X	X	X	X		X	X	X	X	X	X
ENGL 160	ENG 121	English Composition I	R	R	R	R	R	R	R	R	R	R	R
ENGL 161	ENG 122	English Composition II	R	R	R	R	R	R	R	R	R	R	R
MATH 180	MTH 145	Calculus & Anal. Geometry I	R	R	R	R	R	R	R	R	R	R	R
MATH 181	MTH 146	Calculus & Anal. Geometry II	R	R	R	R	R	R	R	R	R	R	R
MATH 210	MTH 246	Calculus & Anal. Geometry III	R	R	R	R	X	X	R	R	R	R	R
MATH 220	MTH 227	Ordinary Differential Equations	R	R	R	R	X	X	R		R	R	R
ME 250	EGR 121	Engineering Graphics			X							X	X
PHYS 141	PHY 123	Physics for Science & Engr. I	R	R	R	R	R#	R	R	R	R	R	R
PHYS 142	PHY 124	Physics for Science & Engr. II	R	R	R	R	R#	X	R	R	R	R	R
PHYS 244	PHY 221	Physics for Science & Engr. III	X								X	X	X

A listing of UIC General Education courses (formally listed as Humanities and Social Sciences) can be found on UIC’s website at <http://www.uic.edu/ucats/catalog/GE.shtml>

This transfer guide is available on the web at [http://www.uic.edu/depts/enga/prospective\\_students/transfer\\_guides.htm](http://www.uic.edu/depts/enga/prospective_students/transfer_guides.htm)