

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	Illinois Valley Course	Illinois Valley Course Title	Bioengineering	Chemical Engr.	Civil Engineering	Computer Engr.	Computer Science		Electrical Engr.	Engr. Mgmt.	Engineering Physics	Industrial Engr.	Mechanical Engr.
							CS	CSO					
ACTG 110	ACT 1010	Financial Accounting								X			
ACTG 111	ACC 1020	Managerial Accounting								X			
BIOS 100	BIO 1003	Principles of Biology	X				R#						
BIOS 101	BIO 1004	Biological Diversity					R#						
CME 201	TAM 2001	Theoretical & Applied Mechanics	X		X					X	X	X	X
CHEM 112	CHM 1006	General Chemistry I	R	R	R	R	R#		R	R	R	R	R
CHEM 114	CHM 1007	General Chemistry II	X	X			R#						
CHEM 232, 233	CHM 2002	Organic Chemistry I		X									
CHEM 234	CHM 2003	Organic Chemistry II		X									
EAES 101	GEL 1008	Physical Geology					R#						
EAES 102	GEL 1009	Historical Geology					R#						
ECON 120	ECN 2002	Principles of Microeconomics								X			
ECON 121	ECN 2003	Principles of Macroeconomics								X			
CS 108	MTH 2005	Intro Numer. Meth & Fortran Prog.	X	X	X					X	X	X	X
ENGL 160	ENG 1001	English Composition I	R	R	R	R	R	R	R	R	R	R	R
ENGL 161	ENG 1002	English Composition II	R	R	R	R	R	R	R	R	R	R	R
MATH 180	MTH 2001	Calculus and Analytic Geometry I	R	R	R	R	R	R	R	R	R	R	R
MATH 181	MTH 2002	Calculus and Analytic Geometry II	R	R	R	R	R	R	R	R	R	R	R
MATH 210	MTH 2003	Calculus and Analytic Geometry III	R	R	R	R	X	X	R	R	R	R	R
MATH 220	MTH 2007	Differential Equations	R	R	R	R	X	X	R		R	R	R
ME 250	EGR 1000	Engineering Graphics I			X							X	X
ME 210	TAM 2001	Theoretical & Applied Mechanics			X							X	X
PHYS 141	PHY 1001	General Physics (Mechanics)	R	R	R	R	R#	R	R	R	R	R	R
PHYS 142	PHY 2001	General Physics (Heat, Wave, Motion...)	R	R	R	R	R#	X	R	R	R	R	R
PHYS 244	PHY 2002	General Physics (Elec., Magnet, Light..)	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/ucatalog/GE.shtml>

This transfer guide is available on the web at http://www.uic.edu/depts/enga/prospective_students/transfer_guides.htm