



# UNIVERSITY OF ILLINOIS AT CHICAGO

## TRANSFER REQUIREMENTS GUIDE FOR: JOLIET JUNIOR COLLEGE

### 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	Joliet Course	Joliet Course Title	Bioengineering	Chemical Engineering	Civil Engineering	Computer Engineering	Computer Science		Electrical Engineering	Engineering Mgmt.	Engineering Physics	Industrial Engineering	Mechanical Engineering
							CS	CSO					
ACTG 110	ACCY 101	Accounting I								X			
ACTG 111	ACCY 102	Accounting II								X			
BIOS 100	BIO 151	General Biology I	X				R#						
BIOS 101	BIO 152	General Biology II					R#						
CME 201	EGR 201	Analyt Mech Statics	X		X					X	X	X	X
CHEM 112	CHEM 101	General Chemistry	R	R	R	R	R#		R	R	R	R	R
CHEM 114	CHEM 102	General Chemistry	X	X			R#						
CHEM 222	CHEM 105	Quantitative Analysis		X									
CHEM 232, 233	CHEM 209	Organic Chemistry		X									
CHEM 234	CHEM 210	Organic Chemistry		X									
ECON 120	ECON 104	Principle of Economics II (Micro.)								X			
ECON 121	ECON 103	Principle of Economics I (Macro.)								X			
CS 108	CIS 134	Fortran Programming	X	X	X					X	X	X	X
ENGL 160	ENG 101	Rhetoric I	R	R	R	R	R	R	R	R	R	R	R
ENGL 161	ENG 102	Rhetoric II	R	R	R	R	R	R	R	R	R	R	R
MATH 180	MATH 170	Calculus with Analytic Geo I	R	R	R	R	R	R	R	R	R	R	R
MATH 181	MATH 171	Calculus with Analytic Geo II	R	R	R	R	R	R	R	R	R	R	R
MATH 210	MATH 172	Calculus with Analytic Geo III	R	R	R	R	X	X	R	R	R	R	R
MATH 220	MATH 220	Differential Equations	R	R	R	R	X	X	R		R	R	R
ME 250	EGR 101	Engr. Graphical Communication			X							X	X
ME 210	EGR 202	Analyt Mech Dynamics			X							X	X
PHYS 141	PHYS 201	Engineering Physics I	R	R	R	R	R#	R	R	R	R	R	R
PHYS 142	PHYS 202	Engineering Physics II	R	R	R	R	R#	X	R	R	R	R	R
PHYS 244	PHYS 203	Engineering Physics 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)