

# UNIVERSITY OF ILLINOIS AT CHICAGO

## UIC TRANSFER REQUIREMENTS GUIDE FOR: SAUK VALLEY COMMUNITY 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	Sauk Valley Course	Sauk Valley 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 101	Financial Accounting								X			
ACTG 111	ACC 102	Managerial Accounting								X			
BIOS 100	BIO 105	Principles of Biology	X				R#						
CME 201	PHY 221	Mechanics I (Statics)	X		X					X	X	X	X
CHEM 112	CHM 105	General Chemistry I	R	R	R	R	R	R	R	R	R	R	R
CHEM 114	CHM 106	General Chemistry II	X	X			R#						
CHEM 232, 233	CHE 201	Organic Chemistry I & Lab		X									
CHEM 234	CHE 202	Organic Chemistry II		X									
ECON 120	ECO 212	Problems of Economics								X			
ECON 121	ECO 211	Principles of Macroeconomics								X			
ECE 210	PHY 246 & 247	Intro to Circuit Analysis & Lab	X	X	X	X		X	X	X	X	X	X
CS 108	MAT 150	FORTTRAN For Science & Engr.	X	X	X					X	X	X	X
ENGL 160	ENG 101	Composition I	R	R	R	R	R	R	R	R	R	R	R
ENGL 161	ENG 103	Composition II	R	R	R	R	R	R	R	R	R	R	R
MATH 180	MAT 203	Calculus and Analytical Geom I	R	R	R	R	R	R	R	R	R	R	R
MATH 181	MAT 204	Calculus and Analytical Geom II	R	R	R	R	R	R	R	R	R	R	R
MATH 210	MAT 205	Calculus and Analytical Geom III	R	R	R	R	X	X	R	R	R	R	R
MATH 220	MAT 211	Differential Equations	R	R	R	R	X	X	R		R	R	R
ME 210	PHY 222	Mechanics II (Dynamics)			X							X	X
ME 250	EGR 103	Engineering Graphics			X							X	X
PHYS 141	PHY 211	Engineering Physics I	R	R	R	R	R#	R	R	R	R	R	R
PHYS 142	PHY 212	Engineering Physics II	R	R	R	R	R#	X	R	R	R	R	R
PHYS 244	PHY 213	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/ucatalog/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)