



# UNIVERSITY OF ILLINOIS AT CHICAGO

## TRANSFER REQUIREMENTS GUIDE FOR: WILLIAM RAINEY HARPER

### 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          | WR Harper Course | WR Harper Course Title          | Bioengineering | Chemical Engineering | Civil Engineering | Computer Engineering | Computer Science |   |     | Electrical Engineering | Engineering Management | Engineering Physics | Industrial Engineering | Mechanical Engineering |
|---------------------|------------------|---------------------------------|----------------|----------------------|-------------------|----------------------|------------------|---|-----|------------------------|------------------------|---------------------|------------------------|------------------------|
|                     |                  |                                 |                |                      |                   |                      | C                | S | S O |                        |                        |                     |                        |                        |
| ACTG 110            | ACC 101          | Intro Financial Accounting      |                |                      |                   |                      |                  |   |     |                        | X                      |                     |                        |                        |
| ACTG 111            | ACC 102          | Intro Managerial Accounting     |                |                      |                   |                      |                  |   |     |                        | X                      |                     |                        |                        |
| BIOS 100            | BIO 110          | Biological Principles           | X              |                      |                   |                      | R#               |   |     |                        |                        |                     |                        |                        |
| Biology Lab Science | BIO 140          | Zoological Principles           |                |                      |                   |                      | R#               |   |     |                        |                        |                     |                        |                        |
| CME 201             | EGR 210          | Analytical Mechanics Statics    | X              |                      | X                 |                      |                  |   |     |                        | X                      | X                   | X                      | X                      |
| CME 203             | EGR 212          | Mech. Deform. Bodies            | X              |                      | X                 |                      |                  |   |     |                        | X                      | X                   | X                      | X                      |
| CHEM 112            | CHM 121          | Gen. Chemistry I                | R              | R                    | R                 | R                    | R#               |   | R   | R                      | R                      | R                   | R                      | R                      |
| CHEM 114            | CHM 122          | Gen. Chemistry II               | X              | X                    |                   |                      | R#               |   |     |                        |                        |                     |                        |                        |
| CHEM 222            | CHM 210          | Quantitative Analysis           |                | X                    |                   |                      |                  |   |     |                        |                        |                     |                        |                        |
| CHEM 232, 233       | CHM 204          | Organic Chemistry I             |                | X                    |                   |                      |                  |   |     |                        |                        |                     |                        |                        |
| CHEM 234            | CHM 205          | Organic Chemistry II            |                | X                    |                   |                      |                  |   |     |                        |                        |                     |                        |                        |
| ECON 120            | ECO 211          | Microeconomics                  |                |                      |                   |                      |                  |   |     |                        | X                      |                     |                        |                        |
| ECON 121            | ECO 212          | Macroeconomics                  |                |                      |                   |                      |                  |   |     |                        | X                      |                     |                        |                        |
| CS 101 / 108 / 109  | CSC 121          | Computer Science                | X              | X                    | X                 | X                    | X                | X | X   | X                      | X                      | X                   | X                      | X                      |
| CS 102 / 107        | CS 122           | Computer Science II             |                |                      |                   | X                    | X                | X | X   |                        |                        |                     |                        |                        |
| EAES 101            | GEO 101          | Physical Geology                |                |                      |                   |                      | R#               |   |     |                        |                        |                     |                        |                        |
| EAES 102            | GEO 102          | Historical Geology              |                |                      |                   |                      | R#               |   |     |                        |                        |                     |                        |                        |
| ECE 210             | EGR 260 & 262    | Intro Circuit Analysis & Lab    | X              | X                    | X                 | X                    |                  | X | X   | X                      | X                      | X                   | X                      | X                      |
| ECE 265             | EGR 270          | Intro to Digital Systems        |                |                      |                   | X                    | X                | X | X   |                        |                        |                     |                        |                        |
| ENGL 160            | ENG 101          | Composition I                   | R              | R                    | R                 | R                    | R                | R | R   | R                      | R                      | R                   | R                      | R                      |
| ENGL 161            | ENG 102          | Composition II                  | R              | R                    | R                 | R                    | R                | R | R   | R                      | R                      | R                   | R                      | R                      |
| MATH 180            | MTH 200          | Calculus with Analytic Geo. I   | R              | R                    | R                 | R                    | R                | R | R   | R                      | R                      | R                   | R                      | R                      |
| MATH 181            | MTH 201          | Calculus with Analytic Geo. II  | R              | R                    | R                 | R                    | R                | R | R   | R                      | R                      | R                   | R                      | R                      |
| MATH 210            | MTH 202          | Calculus with Analytic Geo. III | R              | R                    | R                 | R                    | X                | X | R   | R                      | R                      | R                   | R                      | R                      |
| MATH 220            | MTH 212          | Differential Equations          | R              | R                    | R                 | R                    | X                | X | R   |                        | R                      | R                   | R                      | R                      |
| ME 250              | EGR 120          | Engineering Graphics            |                |                      | X                 |                      |                  |   |     |                        |                        |                     | X                      | X                      |
| ME 210              | EGR 211          | Analytical Mechanics Dynamics   |                |                      | X                 |                      |                  |   |     |                        |                        |                     | X                      | X                      |
| PHYS 141            | PHY 201          | General Physics I               | R              | R                    | R                 | R                    | R#               | R | R   | R                      | R                      | R                   | R                      | R                      |
| PHYS 142            | PHY 202          | General Physics II              | R              | R                    | R                 | R                    | R#               | X | R   | R                      | R                      | R                   | R                      | R                      |
| PHYS 244            | PHY 203          | General 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)