



## **TRANSFER GUIDE**

**College of Lake County to  
Biomedical Engineering – College of Engineering & Applied Science**

### **University of Wisconsin-Milwaukee Admission Guidelines**

If you have completed 12 credits of transferable course work you will be considered for admission based on a review of your college records. If you have fewer than 12 transferable credits you may be considered for admission based on a review of both your high school and collegiate records.

Most admitted transfer students have a cumulative GPA of 2.0 or greater on all transferable coursework. Competency in English and mathematics is an important factor in the admission decision.

***Please note that the College of Engineering & Applied Science is a selective program and has additional requirements for admission into their majors.***

We encourage students to utilize this guide to plan their coursework for their first and second semesters at the College of Lake County. We highly recommend that students who are interested in transferring contact a UWM Transfer Advisor for more information about additional requirements of specific academic programs.

### **College of Engineering & Applied Sciences Admission Requirements**

1. Complete Calculus 1 with a C or better grade. (MTH 145 at CLC)
2. Complete GER Oral and Written Communication Part A. (ENG 122 at CLC)
3. Complete Chem 100 with a C or better grade or satisfactory score on the placement test. (CHM 120 at CLC)
4. Obtain a minimum grade point as set by the major department. A 3.00 GPA guarantees admission to any CEAS major.
5. Courses required by the major may be repeated only once. No more than two courses may be repeated.

### **Transfer Admission Advisor Contact Information**

Joel Buschmann  
Email: buschma2@uwm.edu  
Phone: 414-229-4318

### **Department/School/College Advisor Contact Information**

College of Engineering & Applied Science Student Services  
Email: ceas-adv@uwm.edu  
Phone: 414-229-4667  
P.O. Box 784  
3200 N. Cramer  
Milwaukee, WI 53201-0784  
<http://uwm.edu/engineering/current-students/advising/>

|                                  | College of Lake County course |    | UWM course                 |    |
|----------------------------------|-------------------------------|----|----------------------------|----|
| <b>GER requirements</b>          |                               |    |                            |    |
| Oral and Written Part A          | ENG 122 (C or better grade)   | 0  | ENG 102                    | 0  |
| Oral and Written Part B          | None                          | 0  | ENG 310                    | 3  |
| Art*                             |                               | 3  |                            | 3  |
| Humanities*                      |                               | 3  |                            | 3  |
| Social Science*                  |                               | 3  |                            | 3  |
| Social Science*                  |                               | 3  |                            | 3  |
| Cultural Diversity*              |                               | 0  |                            | 0  |
| Foreign Language                 |                               |    |                            |    |
| Totals                           |                               | 12 |                            | 15 |
| <b>Engineering Core</b>          |                               |    |                            |    |
|                                  | None                          |    | BME 101                    | 3  |
|                                  | EGR 125                       | 3  | CIV ENG 201                | 3  |
|                                  | EGR 225                       | 3  | CIV ENG 202                | 3  |
|                                  | EGR 120                       | 1  | EAS 200                    | 1  |
|                                  | EGR 260                       | 4  | ELECENG 301                | 3  |
|                                  | None                          |    | ELECENG 305                | 4  |
|                                  | None                          |    | MATLENG 201                | 4  |
|                                  | None                          |    | MECHENG 101                | 2  |
|                                  | None                          |    | MECHENG 301                | 3  |
| Totals                           |                               | 11 |                            | 26 |
| <b>Major Requirements</b>        |                               |    |                            |    |
|                                  | BIO 244                       | 4  | BIO SCI 202                | 4  |
|                                  | BIO 245                       | 4  | BIO SCI 203                | 4  |
|                                  | None                          |    | BIO SCI 465 or IND ENG 367 | 3  |
|                                  | None                          |    | BME 302                    | 4  |
|                                  | None                          |    | BME 305                    | 3  |
|                                  | None                          |    | BME 320                    | 4  |
|                                  | None                          |    | BME 325                    | 3  |
|                                  | None                          |    | BME 385                    | 3  |
|                                  | None                          |    | BME 495                    | 3  |
|                                  | None                          |    | BME 595                    | 4  |
|                                  | None                          |    | ELECENG 310                | 3  |
| Totals                           |                               | 8  |                            | 38 |
| <b>Math Requirements</b>         |                               |    |                            |    |
|                                  | MTH 145 (C or better grade)   | 5  | MATH 231                   | 4  |
|                                  | MTH 146 (C or better grade)   | 4  | MATH 232                   | 4  |
|                                  | MTH 246                       | 4  | MATH 233                   | 4  |
|                                  | None                          | 0  | ELECENG 234                | 4  |
| Totals                           |                               | 13 |                            | 16 |
| <b>Physics Requirements</b>      |                               |    |                            |    |
|                                  | PHY 123                       | 5  | PHYSICS 209 & 214          | 5  |
|                                  | PHY 124                       | 5  | PHYSICS 210 & 215          | 5  |
| Totals                           |                               | 10 |                            | 10 |
| <b>Technical Electives</b>       |                               |    |                            |    |
| 15 credits needed                | BIO 161                       | 4  | BIO SCI 150                | 4  |
|                                  | BIO 162                       | 4  | BIO SCI 152                | 4  |
|                                  | CHM 121                       | 5  | CHEM 102                   | 5  |
|                                  | CHM 123                       | 5  | CHEM 104                   | 5  |
|                                  | CHM 222                       | 5  | CHEM 343                   | 3  |
|                                  | CHM 222                       | 5  | CHEM 344                   | 3  |
|                                  | CHM 223                       | 5  | CHEM 345                   | 3  |
|                                  | EGR 222                       | 3  | CIV ENG 303                | 3  |
|                                  | MCS 141                       | 4  | COMPSCI 250                | 3  |
|                                  |                               | 15 |                            | 15 |
| <b>Total Credits minimum 120</b> |                               |    |                            |    |