Transfer guides are produced as a service to MCC students. Every effort is made to maintain up-to-date and accurate information; however, this information is subject to change. Such changes take precedence over the information on this guide. Students should work with an MCC advisor and check with the four-year school as soon as the transfer decision is made. Responsibility for complying with all applicable requirements ultimately rests with the student.

Transfer Options

- **Illinois Articulation Initiative General Education Core Curriculum (IAI GECC)** - Completing the IAI GECC prior to transferring is not recommended. Students should focus on completing prerequisite math and science courses and some courses that fulfill UIUC general education requirements. Course recommendations on this guide provide guidance to UIUC’s general education requirements that can be completed at MCC. The IAI code determines, in most cases, which UIUC General Education requirement will be satisfied. UIUC may make exceptions to benefit a student. For example, MCC’s history courses are IAI coded as social science courses but are defined as humanities courses by UIUC.

- **Associate in Engineering Science (AES) Degree** - Course recommendations on the following pages of this guide apply to MCC’s AES degree and to specific engineering majors at UIUC. Engineering baccalaureate programs are highly structured and require extensive, sequential math and science courses at freshman and sophomore levels; some general education courses are postponed to junior and senior years. The AES degree allows students to take courses in this pattern. (The AES degree does not include the complete IAI GECC.)

Transfer Application

Application filing periods: **Spring**, Sept 1 – Oct 15; **Fall**, Sept 1 – March 1; priority deadline is February 1. (Application after Jan 1 is recommended.) Applicants can indicate a second choice major on the application for admission and in the essay, in the case of not being admitted to the first choice.

Transfer Admission

- **Junior Level Transfer** – (60 transferable credits) Admission is based on college performance and application essay. **Following prerequisites must be completed:** ENG151 & 152; MAT175, 245, & 255; PHY291, 292, & 293; CHM165 & 166. **(Note – Several engineering programs only require one semester of chemistry.)** Completing other courses required by desired program will enhance admissibility.

- **Sophomore Level Transfer** – (30-59 transferable semester hours) Admission mainly is based on grades in college, courses in college, high school academics, and essays. Sophomore transfer admission preference given to those who would have been admitted as freshmen. **Following prerequisite courses must be completed:** ENG151 & 152; MAT175 & 245; PHY291; CHM165 & 166. **(Note – Several engineering programs only require one semester of chemistry.)**

- **Minimum Transfer GPA** is 3.0 in the required technical subjects (chemistry, math, and physics) and for minimum cumulative GPA of all coursework completed. Competitive standards for admission may be higher. Admission is especially selective for the mechanical major (average GPA for students admitted during 2010/11 academic year was 3.8).

- **Calculation for Admission GPA** – UIUC uses all grades (including repeated) from transferable courses when calculating admission GPA. There is no grade forgiveness policy.

- **Foreign Language Requirement** – Beginning Fall 2012, foreign language will not be an admission requirement. **For graduation,** students are required to complete three years of the same foreign language in high school or three semesters in college (chemical and biomolecular requires four years in high school or for semesters in college). **It is strongly recommended that transfer applicants complete the foreign language graduation requirement before transfer.**

Additional Information

- UIUC requires at least 60 semester hours of degree requirements be completed through a baccalaureate institution.

- Effective Fall 2012, MCC’s MAT255 articulates to UIUC’s MATH241. For students who completed MCC’s MAT255 prior to Fall 2012, a 2-credit online bridge calculus course must be completed through UIUC in order to satisfy UIUC’s calculus sequence. (MTH292, Vector Calculus Supplement)

- ECE110, Intro to Electrical & Computer Engineering, is a required course for both electrical and computer engineering majors. It is a lecture/lab course taken during the freshman year. UIUC developed a summer online course, ECE109, to help transfer students keep pace with course sequence. ECE 109 is a 2-credit lecture portion of the requirement. Students complete the lab upon transfer.
# Course recommendations for AES degree completion and for specific engineering majors at UIUC

## Associate in Engineering Science Degree Requirements

### General Core and Support Courses

<table>
<thead>
<tr>
<th>Communications (6 credits)</th>
<th>Mathematics (17 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG151 Composition I, C or better (3 cr)</td>
<td>MAT175 Calculus w/Analytic Geo I (5 cr)</td>
</tr>
<tr>
<td>ENG152 Composition II, C or better (3 cr)</td>
<td>MAT245 Calculus w/Analytic Geo II (5 cr)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Humanities &amp; Fine Arts (3 credits)</th>
<th>Social &amp; Behavioral Sciences (3 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IAI Humanities or Fine Arts (3 cr)</td>
<td>IAI Social &amp; Behavioral Sciences (ECO252 for Agricultural/Biological; ECO251 or 252 for Civil, Industrial, and Mechanical)</td>
</tr>
</tbody>
</table>

### Non-Western Cultures or Minority Cultures within the United States

Select 1 course from following (3 credits):

- ART155, 165; ENG 276; GEG203; HIS165; MUS153; PHI160, 261

### Science (13 credits)

- CHM165 General Chemistry I (5 cr)
- PHY291 Principles of Physics I (4 cr)
- PHY292 Principles of Physics II (4 cr)

### Computer Science (3-8 credits)

- CIS117 Intro to Programming (3 cr) or
- CSC121+CSC122 Comp Sci I&II (8 cr) (**Comp Eng)**

### Total Credits for General Core and Support Courses

45-53 credits

## Engineering Specialty Courses

(It is **important** to complete sequence courses at MCC.)

### Aerospace

- EGR251 Statics (3)
- EGR252 Dynamics (3)
- **MAT253 Linear Algebra (4)**
- **PHY293 Principles of Physics III (4)**

### Agricultural & Biological and Civil & Environmental and Mechanical

- EGR151 Engineering Graphics (4)
- EGR251 Statics (3)
- EGR252 Dynamics (3)
- CHM166 General Chemistry II (5)
- **PHY293 Principles of Physics III (4)**

### Bioengineering (currently not accepting transfer students)

- **PHY293 Principles of Physics III (4)**
- **Select 2 courses (6) (computer engineering)**
- **Select 3 courses (9) (electrical engineering if CIS117 is taken)**

### Electrical Engineering and Computer Engineering ****

- **PHY293 Principles of Physics III (4)**
- **Select 2 courses (6) (computer engineering)**
- **Select 3 courses (9) (electrical engineering if CIS117 is taken)**

### Engineering Mechanics

- CHM166 General Chemistry II (5)
- EGR251 Statics (3)
- EGR252 Dynamics (3)

### Engineering Physics

- **PHY293 Principles of Physics III (4)**
- **Select 3 courses (9 credits)**

### General

- EGR151 Engineering Graphics (4)
- EGR251 Statics (3)
- EGR252 Dynamics (3)
- **MAT253 Linear Algebra (4)**
- **PHY293 Principles of Physics III (4)**

### Industrial Engineering and Mechanical Engineering

- EGR251 Engineering Graphics (4)
- EGR251 Statics (3)
- EGR252 Dynamics (3)
- **PHY293 Principles of Physics III (4)**

### Materials Science & Engineering

- CHM166 General Chemistry II (5)
- **PHY293 Principles of Physics III (4)**
- **Select 1 course (3)**

### Nuclear

- EGR251 Statics (3)
- EGR252 Dynamics (3)
- **PHY293 Principles of Physics III (4)**
- **Select 2 courses (6)**

*The asterisk designates courses not ordinarily found in MCC’s AES degree. To assist students in completing the associate degree and transferring smoothly into UIUC’s engineering baccalaureate programs, MCC allows for these course substitutions. You will need a substitution waiver for these courses. Please ask your MCC academic advisor about the substitution waiver process.*
The College of Engineering requires 18 hours of social sciences and humanities coursework. Select courses from below (Take into consideration courses chosen to satisfy AES requirements in Humanities, Social Sciences, and Non-Western/Minority Cultures in US). You will need an MCC substitution waiver for these courses. Please ask your MCC academic advisor about the substitution waiver process.

<table>
<thead>
<tr>
<th>Humanities (6 credits)</th>
<th>Social Science (6 credits)</th>
<th>Western/Comparative Cultures (3 credits)</th>
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<tr>
<td>Non-Western/US Minority Cultures (3 credits)</td>
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<td></td>
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***UIUC’s ECE190 is required – no MCC equivalent. UIUC recommends students take a programming course at the community college in preparation for ECE190.

****ECE110, Intro to Electrical & Computer Engineering, is a required course for both electrical and computer engineering majors. It is a lecture/lab course taken during the freshman year and is a prerequisite to other courses typically taken during the sophomore year. UIUC developed a summer online course, ECE109, to help transfer students keep pace with course sequence. ECE 109 is a 2 credit lecture portion of the requirement. Students complete the lab upon transfer. It is recommended that the ECE109 online course be completed during the summer prior to your transfer.