



# BRADLEY University

## ICC Engineering Transfer Guide

Students transferring to Bradley University are recommended to complete the **Associate in Engineering Science (AES)** degree. The general education courses that transfer to Bradley University's *Core Curriculum* are listed on the backside of this transfer guide.

| ICC COURSES (HRS)         | BU EQUIVALENT (HRS)      | CIVIL                 | ELECTRICAL / COMPUTER* | INDUSTRIAL <sup>^</sup> | MANUFACTURING <sup>^</sup> | MECHANICAL       | CONSTRUCTION +          |
|---------------------------|--------------------------|-----------------------|------------------------|-------------------------|----------------------------|------------------|-------------------------|
| CHEM 130 (4)              | CHM 110+111 (4)          | X                     | X                      | X                       | X                          | X                |                         |
| CHEM 132 (4)              | CHM 112 (3) OR 116+117   |                       |                        |                         |                            | X                |                         |
| ENGR 110 (1)              | CE 100/IME 101 (1)       | X                     | AES                    | X                       | X                          | AES              |                         |
| ENGR 113 (3)              | ME102/IME103 (2)         |                       |                        | X                       | X                          | X                |                         |
| ENGR 230 (3)              | ECE 103/IME110 (3)       |                       | X                      | X                       | X                          |                  |                         |
| ENGR 240+241 (6)          | ECE 101+120              | ENGR 240 = TE         | X                      |                         |                            | ENGR 240= EE 327 |                         |
| ENGR 242 (3)              | ECE 102 (3)              |                       | X                      |                         |                            |                  |                         |
| ENGR 251 (3)              | CE 150/IMT 222 (3)       | X                     |                        | X                       | X                          | X                | ++                      |
| ENGR 252 (3)              | CE 250/IMT 322 (3)       | X                     |                        |                         |                            | X                |                         |
| ENGR 253 (3)              | CE 270/IMT 324 (3)       | X                     |                        |                         | X                          | X                | ++                      |
| MATH 222+223+224+250 (16) | MTH 121+122+223+224 (15) | X                     | X                      | X                       | X                          | X                | ++                      |
| PHYS 211+212+213 (10)     | PHYS 110+201 (8)         | X                     | X                      | X                       | X                          | X                | ++                      |
| ADD'L COURSES             |                          | ARCTK 111 ANY BIOL*** | MATH 230               |                         |                            | BIOL 205+206#    | SEE BELOW. <sup>†</sup> |
| ABET                      |                          | X                     | X                      | X                       | X                          | X                |                         |

TE Technical elective; contact BU advisor for more information.

+ The construction program is not an engineering curriculum although it is in the College of Engineering. Additional courses that could be taken at ICC include ACCTG 120+121, ARCTK 111, ARCTK 113+114, ARCTK 227, ARCTK 228, AND CMPSC 110 *or* 124.

++ Construction majors can take MATH 222+223+224, PHYS 211, and ENGR 251+253 at ICC *or* PHYS 120 and MATH 135 at ICC and Calc II (MTH 116), Statics (IMT 122), and Mechanics of Materials (CE 270) at BU.

AES Courses are not transferable to BU but are required for the Associate of Engineering Science degree.

<sup>^</sup> ICC has signed 2+2 agreements with the Industrial and Manufacturing Departments. See your adviser for additional information.

\* It will take 3 years to complete the BS-ECE degree at BU.

\*\*\* Will count as a Basic Science technical elective.

# Mechanical Engineering's bio-med option will accept ICC's A&P courses.

***Bradley University will accept no more than 66 equated hours of BU transfer credit.***

The above are only guidelines. See the current university catalog, the website ([www.bradley.edu](http://www.bradley.edu)), and/or speak with a Bradley representative for additional transfer information.

A campus visit is **strongly** recommended before deciding on a transfer university.

### The following is for students transferring to Bradley January 2018 and later:

All of the **Core Curriculum** courses required by Bradley **cannot** be completed at ICC:

- \* It is recommended that engineering students complete the **Associate of Engineering Science (AES)** degree before transferring to Bradley;
- \* ENGL 110 and COMM 110 can be completed at ICC; the second writing course (a junior level technical writing course) **must** be completed at Bradley;
- \* Engineering students are required to take either ECON 110 or 111. Students in industrial engineering, construction, and those minoring in business are required to take both ECON 110+111.
- \* Students can complete one course from each of the following **Core Curriculum** categories that also satisfy AES general education requirements:

|                            |  |  |                                       |
|----------------------------|--|--|---------------------------------------|
| <b>Fine Arts</b>           | ART 110, 142, 150, 151, 152<br>DANCE 115<br>FILM 110     | HUMAN 123, 124, 125, 128<br>INTST 132, 133<br>MCOMM 224  | MUS 148, 149, 150<br>THTRE 110, 111   |
| <b>Humanities</b>          | ARA 211<br>CHN 211<br>FR 211<br>GER 211<br>SPAN 211      | HIST 111, 112<br>HUMAN 123, 124, 125, 129<br>INTST 132, 133<br>LIT 110, 111, 115, 117, 119, 120, 122, 124, 212, 213, 214, 215, 216, 230, 250<br>PHIL 110, 111, 112, 115, 116 |                                       |
| <b>Global Perspectives</b> | ART 150, 151, 152<br>GEOG 116, 118<br>HIST 111, 112, 231 | HUMAN 123, 124, 125<br>INTST 130, 132, 133, 134<br>LIT 120, 250  | MUS 149<br>PHIL 112<br>POLSC 122, 124 |

→ One course cannot satisfy the requirement in more than one category.  
This **Core Curriculum** list was found at <http://icc.edu/students/files/ICC-Transfer-Equivalency-Guide-Bradley-University.pdf>

The following curricula are available at Bradley University's College of Engineering:

|                                       |   |   |  |
|---------------------------------------|---|---|--|
| <b>Civil</b>                          | with an emphasis in: Internationalization ---- Infrastructure ---- Sustainability |   |  |
| <b>Electrical &amp; Computer</b>      | with an option in Computer Engineering  |   |  |
| <b>Industrial &amp; Manufacturing</b> | with minors in:<br>Applied Ergonomics<br>Quality Engineering                      | <b>Industrial</b><br>with concentrations in:<br><b>Manufacturing</b><br>with concentrations in: | Engineering Management<br>Supply Chain & Logistics Engineering<br>Systems Engineering<br>Process Engineering<br>Lean Manufacturing |
| <b>Mechanical</b>                     | with concentrations in: Biomedical Engineering ---- Energy Engineering            |   |  |
| <b>Construction Technology</b>        | with an emphasis in: Internationalization ---- Sustainability ---- Infrastructure |   |  |

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**NOTE: Students should contact BU-COE departments directly for scholarship opportunities.**