

**BCTC – UK Pathway to Transfer Guide**  
**Associate of Science for Biosystems and Agricultural Engineering**

Suggested Course Sequence for Smooth Transfer

Completion of the following curriculum will satisfy both the requirements for an Associate of Science degree at BCTC as well as the USP requirements for the University of Kentucky and almost all of the pre-major requirements for the College of Engineering’s Bachelor of Science in Biosystems and Agricultural Engineering.

To gain “Engineering Standing” upon transfer, students must maintain at least a 2.5 overall GPA as well as at least a 2.5 pre-major GPA and earn at least a C in all pre-major courses. Pre-major courses for Biosystems and Agricultural Engineering include: ENG 101 & 102, ENG 2XX, CHE 105 & 107, MA 113, 114, 213 & 214, PHY 231, 241, 232 & 242, CS 221, and EM 221.

| <u>1<sup>st</sup> Semester</u> | <u>Credit Hours</u> | <u>2<sup>nd</sup> Semester</u> | <u>Credit Hours</u> |
|--------------------------------|---------------------|--------------------------------|---------------------|
| ENG 101                        | 3                   | ENG 102                        | 3                   |
| CHE 105                        | 3                   | CHE 107                        | 3                   |
| *Humanities course             | 3                   | *Social Interaction course     | 3                   |
| **CS 115                       | 3                   | BIO 150                        | 3                   |
| MA 113                         | 4                   | MA 114                         | 4                   |
| MA 193                         | <u>1</u>            | MA 194                         | <u>1</u>            |
| <b>Semester Hours:</b>         | <b>17</b>           | <b>Semester Hours:</b>         | <b>17</b>           |

| <u>3<sup>rd</sup> Semester</u> | <u>Credit Hours</u> | <u>4<sup>th</sup> Semester</u>  | <u>Credit Hours</u> |
|--------------------------------|---------------------|---------------------------------|---------------------|
| BIO 152                        | 3                   | MA 214                          | 3                   |
| PHY 231                        | 4                   | *Social Interaction course      | 3                   |
| PHY 241                        | 1                   | PHY 232                         | 4                   |
| MA 213                         | 4                   | PHY 242                         | 1                   |
| *Social Interaction course     | 3                   | *Heritage course                | 3                   |
| Oral Communication course      | <u>3</u>            | EM 221 (at UK/visiting student) | <u>3</u>            |
| <b>Semester Hours:</b>         | <b>18</b>           | <b>Semester Hours:</b>          | <b>17</b>           |

**Total Credit Hours: 69**

\*Need one of these courses to satisfy the Cultural Studies requirement

\*\*The student needs to test out of the computer literacy requirement so that CS 115 can be used to satisfy a degree requirement for the Bachelors degree

**As an alternative to the above sequence, students who are interested could opt to take social interaction, heritage, and/or oral communication courses over the summer and substitute the following courses during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> semesters:**

**2<sup>nd</sup> Semester: BAE 103 (at UK/Visiting student)**

**3<sup>rd</sup> Semester: CE 106 or ME 205 (at UK/Visiting student)**

**4<sup>th</sup> Semester: ME 220 (at UK/Visiting student)**