



Biosystems and Agricultural Engineering

College of Engineering

The curriculum in biosystems and agricultural engineering is administered jointly by the College of Engineering and the College of Agriculture.

Biosystems and agricultural engineering provides an essential link between the biological sciences and the engineering profession.

Admission to the degree program is selective. Students should refer to the UK Bulletin for general information concerning admission and graduation requirements.

Degree Requirements

In addition to fulfilling University Studies and College of Engineering requirements, students must complete the agricultural engineering curriculum.

Freshman Year

Table of Freshman Year requirements including First Semester and Second Semester courses like BAE 102, CHE 105, ENG 101, etc.

Sophomore Year

Table of Sophomore Year requirements including First Semester and Second Semester courses like BAE 201, BIO 150, EM 221, etc.

Junior Year

Table of Junior Year requirements including First Semester and Second Semester courses like CE 341, EE 305, BAE 402, etc.

Senior Year

Table of Senior Year requirements including First Semester and Second Semester courses like BAE 305, BAE 400, BAE 403, etc.

\*To be selected from University Studies areas in Social Sciences, Humanities, Cross-Cultural and Cross-Disciplinary in consultation with the academic advisor.

\*\*A minimum of 9 hours are required from the biosystems and agricultural engineering core courses: BAE 417 Design of Machine Systems, BAE 427 Environmental Housing, BAE 437 Land and Water Resources Engineering, and BAE 447 Bioprocess Engineering Fundamentals.

\*\*\*A minimum of 12 hours are to be taken in addition to the 9 core hours selected by the student. The technical electives allow the student an opportunity to concentrate or gain depth in one or more of the various specialty areas of biosystems and agricultural engineering.

Approved technical electives: BAE 417, 427, 435G, 437, 438G, 447, 450, 513, 515, 536, 537, 545, 549, 580, 581, 599; CE 381, 382, 441, 451, 461G, 471G, 482, 506, 549; CHE 236; CME 425, 462; EE 402G; EM 513, 531; FSC 434G, 530, 536, 538; ME 321, 344, 406, 440, 501, 542; PLS 366, 566, 575, 576.

†Free electives are any University course excluding more elementary versions of required courses such as pre-calculus math or PHY 211.