

## Proposed changes to BME Undergraduate Curriculum

January 25, 2022

### Current changes to the Cell & Tissue Track:

1). Replacement of MMAE 200 (Statics) with a MMAE 202 (No change in degree credit hours)

Rationale: MMAE 200 (Statics; 3 credits) was previously required for BME UGs in the C&T track. Effective Fall 2022 the MMAE department will no longer offer MMAE 200. MMAE 200 will be replaced with MMAE 202 (Mechanics of Solids; 3 credits). MMAE 202 incorporates elements of MMAE 200 as well as stress and strain relations and force and momentum balances that will be beneficial to upper BME required coursework (BME 310 and BME 301)

Action: BME faculty unanimously approved the proposed change on November 23, 2021.

2). Replacement of ECE 308 (Signals and Systems) with BME 330 (Analysis of Biosignals and Systems) or ECE 308.

Rationale: We are re-introducing BME 330 into the BME curriculum to provide UG with more examples of signals and systems relevant to biomedical engineering. The option of allowing either BME 330 or ECE 308 is to provide more flexibility for transfer students since BME 330 is only offered in the fall semester while ECE 308 is offered in fall, spring and summer semesters.

Action: BME faculty unanimously approved the proposed change.

**Previous 2 year (AY 2019-2020 & AY 2020-2021) changes: None**