

List of Biotechnology Electives (rev. 3/9/2016)
BSChBE – Biotechnology Option

One biotechnology engineering elective (3 credit hours) must be chosen in the Biotechnology concentration.

ChBE 4757	Biofluid Mechanics
ChBE 4760/6760	Biocatalysis
ChBE 4765/6765	Drug Design, Development, and Delivery
ChBE 4710/6710	Microfluidics & Bio. Applications
ChBE 4803	Protein Engineering
ChBE 4803	Biomolecular Engineering of the Cell
ChBE 6794	Tissue Engineering

BMED 3510	Biomedical Systems and Modeling
BMED 4477	Bio Networks and Genomics
BMED 4751	Biomaterials
BMED 4783	Intro Medical Image Processing
BMED 4784	Engineering Electrophysiology

The highlighted classes have the following prereqs:

BMED 4477—prereq ECE 2025 + bmed 3600 + BMED 2400.

BMED 4783—prereqs ECE 2025 + BMED 2400

BMED 4784—prereqs ECE 3040 or 3510—which have 2000-level ECE prereqs as well.

No two courses will be allowed towards satisfying the degree requirements if there is a more than 20% overlap in their course content.

All xxxx4699 research which a student would like to apply as a Biotech Engineering elective must be approved by the associate chair for undergraduate studies.

Please submit a one-page abstract which includes the following information:

1. Research title
2. Student Name and GT ID #
3. Term when the research was taken for credit (number of credit hrs)
4. Name of the supervising professor/faculty
5. Abstract (100-200 words)
6. Signature of the supervising professor/faculty