

Example Course Plan (MCTE)
Molecular, Cellular, and Tissue Engineering



A complete list of our graduate courses can be found in the General Catalog:

<https://catalog.registrar.ucla.edu/>

Below you find a list of courses recommended for students interested in the **Molecular, Cellular, and Tissue Engineering (MCTE)** Field for you to draft your degree study plan. Make sure you are using the most current information when planning your courses toward to your degree and project your graduation quarter. Keep in mind courses are not offered every quarter.

****MS and PHD Program requires graduate courses with at least 4 units and that are letter graded.

BE # offered only by Bioengineering,
C # concurrently schedule with another course,
M # Multiple-listed courses with other majors.

Core Courses

C202 – Human Physiological Systems for Bioengineering I

C205 – Engineering of Bioconjugates

C275 – Machine Learning and Data-Driven Modeling in Bioengineering

Electives

C204 – Physical Chemistry of Biomacromolecules

CM245 – Molecular Biotechnology for Engineers

C255 – Fluid-Particle and Fluid-Structure Interactions in Microflows

BE 271 – Biotechnology of Cellular Therapies

CM278 – Introduction to Biomaterials

C283 – Targeted Drug Delivery and Controlled Drug Release