

List of Technical Electives – Cohort 2016/2017

1. TE modules offered by BME. Students are encouraged to take TEs from this list.

BN2001 Independent Study
BN3202 Musculo-Skeletal Biomechanics
BN3401 Biomedical Electronics & Systems
BN3402 Bio-Analytical Methods in Bioengineering
BN3501 Equilibrium & Kinetic Bioprocesses
BN4109 Special Topics in Bioengineering
BN4201 Tissue Biomechanics
BN4202 Biofluids Dynamics
BN4203 Rehabilitation Engineering
BN4301 Principles of Tissue Engineering
BN4402 Electrophysiology
BN4403 Cellular Bioengineering
BN4404 Biomicroelectromechanical Systems-BioMEMs
BN4406 Biophotonics and Bioimaging
BN4501 Engineering Biology
BN5104 Quantitative Physiology Principles in Bioengineering
BN5201 Advanced Biomaterials
BN5202 Advanced Tissue Biomechanics
BN5203 Advanced Tissue Engineering
BN5205 Computational Biomechanics
BN5207 Medical Imaging Systems
BN5208 Quality Management and Regulatory Systems
BN5209 Neurosensors and Signal Processing
BN5210 Biosensors & Biochips

2. TE modules offered by other Departments/Faculties. Subject to approval, students can also take TEs offered by other Departments/Faculties.

EE3206 Introduction to Computer Vision and Image Processing 4
EE4212 Computer Vision 4
LSM2103 Cell Biology
ME3162 Manufacturing Processes
ME4253 Biomaterials Engineering
ME4291 Finite Element Analysis