Name: First, Last Date: M/D/Y

STUDY PLAN FOR: **Ph.D.**

 **Area of Study: Biomedical Imaging Hardware Development (BIHD)**

# GROUP I - CORE COURSES

*MS Capstone track and PhD* - three core courses, three Bioengr 299, and one 495 course. *MS Thesis track* - three core courses, three Bioengr 299, two Bioengr 598, and one 495 course.

|  |  |  |  |
| --- | --- | --- | --- |
| **COURSE # AND QTR OFFERED** | **QTR TAKEN/TO BE TAKEN** | **COURSE # AND QTR OFFERED** | **QTR TAKEN/TO BE TAKEN** |
| BE 299 (2 units) – Fall Qtr | Quarter Taken | 1. BE 219 | Quarter Taken |
| BE 299 (2 units) – Winter Qtr | Quarter Taken | 2.BE 224A | Quarter Taken |
| BE 299 (2 units) – Spring Qtr | Quarter Taken | 3.BE 229 | Quarter Taken |
| BE 495 (2 units) – Fall Qtr | Quarter Taken |  |  |
| BE 598 (4 units) [Thesis students only] | Quarter Taken |  |  |
| BE 598 (4 units) [Thesis students only] | Quarter Taken |  |  |

***All Fields – choose at least three courses from this group***: Bioengineering 201, 202, 203, 204, 205, 206, 207, 219, 220, 223A, 223B, 223C, 224A, 224B, 226, 227, 228, 229, 239A, 239B, 245, 255, 260, 275, 278, 283, 285, 286, BE 298: Biotechnology of Cellular Therapies.

# GROUP II – ELECTIVE COURSES

**All Fields:** *MS Capstone track* – at least six elective courses chosen from the elective list.

*MS Thesis and PHD track* – at least four courses chosen from the elective list on page 3.

|  |  |  |  |
| --- | --- | --- | --- |
| **COURSE # AND QTR OFFERED** | **QTR****TAKEN/TO BE TAKEN** | **COURSE # AND QTR OFFERED** | **QTR****TAKEN/TO BE TAKEN** |
| 1. BE 298: Biophotonics  | Quarter Taken | 4. BE 248 | Quarter Taken |
| 2. BE 217 | Quarter Taken | 5. ECE 273 | Quarter Taken |
| 3. BE 298: Optical design of imaging systems  | Quarter Taken | 6. ECE 274 | Quarter Taken |
|  |  |  |  |

Signature of Principal Investigator Date

Signature of Field Chair Date

Signature of Graduate Vice Chair Date

# GROUP II ELECTIVE COURSE FOR ALL FIELDS

**MS CAPSTONE TRACK: Please choose at least six courses from this group**

**MS THESIS AND PHD TRACK: Please choose at least four courses from this group**

* + Bioengineering 201, 202, 203, 204, 205, 206, 207, 214A, 215, 217, 219, 220, 221, 223A, 223B, 223C, 224A, 224B, 225, 226, 227, 228, 229, 231, 233A, 233B, 239A, 239B, 240, 241, 245, 247, 248, 250B, 250L, 252, 255, 260, 263, 270, 271, 272, 275, 278, 279, 282, 283, 284, 285, 28, 296A, 296B, 296C, 296D, BE 298: Devices for Drug Delivery: from Innovation to Translation, BE 298: Engineering in Precision Medicine, BE 298: Biotechnology of Cellular Therapies
	+ Biomathematics 201, 203, 206, 208A, 211, 213, 220, 230, 261, 270, 271, 296B
	+ Physics and Biology in Medicine 205, 209, 210, 217, 218, 222, 227, 230, 248
	+ Biostatistics 238
	+ Chemical and Biomolecular Engineering 215, 216, 225
	+ Chemistry and Biochemistry 118, 153A, 153B, 156, 230B, 240, 260A, 260B, 265, 269A, 269D, 277, 281
	+ Computer Science 161, 224, 240B, 241A, 241B, 244A, 245A, 246, 262A, 262B, 262C, 263A, 263B, 266A, 266B, 267A, 267B, 276B, 269
	+ Electrical Engineering 100, 102, 103, 110, 110L, 113, 121B, 128, 131A, 132A, 136, 141, 142, 150DL, 151A, 151B, 172, 176, 201B, 208A, 210A, 211A, 212A, 214A, 216B, 217, 224, 225, 232E, 236A, 236B, 239AS, 240B, 240C, 241A, 241C, 242A, 243, 250A, 250B, 250L, 252, 260A, 260B, 266, 273, 274
	+ Mathematics 133, 134, 136, 151A, 151B, 155, 170A, 170B, 171, 270A, 270B-C, 270D-270E, 270F
	+ Materials Science and Engineering 110, 111, 200, 201
	+ Mechanical and Aerospace Engineering 103, 107, 150A, 150G, 168, 171A, 250B, 250M, 263D, 281, 287
	+ Microbiology, Immunology and Molecular Genetics 134, 185A, 233
	+ Molecular Cell Development Biology 100, 140, 144, 165A, 168, 175A-B, 222D, 224, 230B, 234, 272
	+ Molecular and Medical Pharmacology 110A, 110B, 203, 211A, 211B, 288
	+ Neuroscience 201, 202, 205, 207
	+ Pathology 237, 294
	+ Physiological Science 135, 166, 200
	+ Statistics 201B, 202A, 231, 232A, 232B, 243