Instructions for Completing Your Bioengineering Study Plan
Medical Imaging Informatics (MII)

Please submit Study Plan signed by your Faculty Advisor and Field Chair by 2nd week of Winter Quarter of your 1st year to Apryll Chin in 5121L Engineering V.

- Every student must take 44 units to complete their degree course requirements (MS/PhD).
  - M.S. capstone students in Medical Imaging Informatics must take:
    - Group I: Core Courses on General Concepts – 9 courses
    - Group II: Subfield Specific Courses – Any three courses from across the four concentrations
    - Group III: Ethics Courses – 1 course
  - Ph.D students in Medical Imaging Informatics must take:
    - Group I: Core Courses on General Concept – 9 courses
    - Group II: Subfield Specific Courses – 6 courses, three each within two concentrations, from the listed four concentrations
    - Group III: Ethics Courses – 1 course

- Students are encouraged to meet with their Field Advisor soon after matriculating at UCLA to outline a satisfactory course of study. Once the study plan has been approved by the Field Advisor and submitted to the Department, any changes to it will require approval by the Field Advisor and submitting a new form to the Department. There is no limit on the number of times a Study Plan can be approved and submitted.

- Submit the form on the following page to your Field Adviser within the second week of the Winter quarter of your first year. Please note that courses taken must be approved or pre-approved by the field advisor in order to count towards your degree requirement. Please turn in the form to the BE Graduate Advisor early to avoid any problems that could delay or prevent your graduation. Students are encouraged to re-evaluate their Study Plan at the beginning of each quarter.

- All PhD students are required to maintain a 3.25 overall GPA. All MS students are required to maintain a 3.0 overall GPA.

- Please note that Lower Division courses (i.e. two digit courses 1-99) do not fulfill any requirement for your degree. If you plan to take lower division undergraduate courses that do not satisfy your course requirement, please choose the “Satisfactory/Unsatisfactory” grading option, which will not affect your overall grade point average.

- All students must enroll in 12 units every quarter. If you have completed your coursework, you will need to enroll in 500-level courses to meet the 12 unit minimum. Please ask the BE graduate advisor for details.
STUDY PLAN FOR: **Degree Objective:** Select a degree objective

**MEDICAL IMAGING INFORMATICS (MII)**

A minimum of 13 courses (44 units) are required.

### GROUP I - CORE COURSES ON GENERAL CONCEPTS

Students must take all nine of the Group I courses and one 495.

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<th>COURSE # AND QTR OFFERED</th>
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<th>QTR TAKEN/TO BE TAKEN</th>
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<tbody>
<tr>
<td>BE 220 (2 units) – Fall Qtr</td>
<td>Quarter Taken</td>
<td>BE M226 – Spring Qtr</td>
<td>Quarter Taken</td>
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<tr>
<td>BE 223A (4 units) – Fall Qtr</td>
<td>Quarter Taken</td>
<td>BE M227 – Fall Qtr</td>
<td>Quarter Taken</td>
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<td>BE 223B (4 units) – Winter Qtr</td>
<td>Quarter Taken</td>
<td>BE M228 – Winter Qtr</td>
<td>Quarter Taken</td>
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<tr>
<td>BE 223C (4 units) – Spring Qtr</td>
<td>Quarter Taken</td>
<td>BE 495 (2 units) – Fall Qtr</td>
<td>Quarter Taken</td>
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<td>BE 224A (4 units) – Winter Qtr</td>
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<td>BE 224B (4 units) – Spring Qtr</td>
<td>Quarter Taken</td>
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### GROUP II – SUBFIELD SPECIFIC COURSES

**M.S. Capstone track** – at least three elective courses chosen from the list elective list on page 3. **Ph.D. students** – at least six courses chosen from the list on page 3, three each within two concentrations from the four concentrations.

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<td>Quarter Taken</td>
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<td>2.</td>
<td>Quarter Taken</td>
<td>5.</td>
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<td>3.</td>
<td>Quarter Taken</td>
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### GROUP III – ETHICS COURSES

One course is required from this group: Bioengineering 165EW, Biomathematics M261, Microbiology, Immunology, Molecular Genetics C134, Neuroscience 207

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<td>Quarter Taken</td>
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Signature of Principal Investigator  
Date

Signature of Field Chair  
Date

Signature of Graduate Vice Chair  
Date
GROUP II & III COURSES FOR MEDICAL IMAGING INFORMATICS (MII)

**Group II: Subfield Specific Courses** – M.S. capstone students are required to take three courses from across the four concentrations. Ph.D. students are required to take 6 courses, three each within two concentrations, from the following four concentrations.

1. Infrastructure, information retrieval, and analytics concentration:
   - Computer Science 240A, 240B, 241B, 244A, 245, 246, 265A

2. Computer understanding of text concentration:
   - Computer Science 240B, 241B, 247, 284A, 284C, 284P
   - Information Studies 245, 246, 260, 276, 277

3. Computer understanding of images concentration:
   - Computer Science M266A, M266B, M268, 276A
   - Electrical and Computer Engineering 211A, M217
   - Neuroscience CM272
   - Physics and Biology in Medicine 210, 211, 214, 215, M219, 227, M229, M230, M248, 286
   - Statistics 238

4. Modeling and applications concentration:
   - Bioinformatics M223, M224, M225, M226
   - Biomathematics 210, M281, M282
   - Biostatistics 213, M215, M232, M234, M235, M236, 241, 276
   - Computer Science 262A, M262C, 262Z, 264A, 265A
   - Electrical and Computer Engineering 210A, 210B, 219
   - Epidemiology 212
   - Information Studies 272, 277, 278, 279
   - Statistics 200A, 200B, 221, 231B, M241, M242, M243, M250, 256

**Group III: Ethics Courses** - One course is required from this group

- Bioengineering 165EW, Biomathematics M261, Microbiology, Immunology, Molecular Genetics C134, Neuroscience 207