Leadership in Medicine Curriculum Worksheet

**Core LIM Math/Science Courses**  Students must take a minimum of 16 Math/Science courses.

### Biology
All LIM Students Take:
- □ BIO 103 Diversity of Life w/lab (F,W,S)
- □ BIO 104 Cellular Foundations of Life w/lab (F,W,S)
- □ BIO 205 Topics in Molecular Biology (F,W,S)
- □ BIO 206 Topics in Physiology (F,W,S)
- □ BIO 210 Neuroscience: Mind and Behavior. (must be taken during the 3rd summer)
- □ One of the following upper level BIO or BCH courses (not all courses offered each year – check catalog):
  - BIO 330 Comparative Animal Physiology
  - BIO 332 Comparative Vertebrate Anatomy
  - BIO 352 Microbiology
  - BIO 354 Developmental Biology
  - BIO 355 Immunology
  - BIO 362 Experimental Neurobiology
  - BIO 330 Comparative Animal Physiology
  - BIO 332 Comparative Vertebrate Anatomy
  - BIO 352 Microbiology
  - BIO 354 Developmental Biology
  - BIO 355 Immunology
  - BIO 362 Experimental Neurobiology

### Physics
All LIM Students Take:
- □ PHY 110 Classical & Modern Physics for the Life Sciences I (F,S)
- □ PHY 111 Classical & Modern Physics for the Life Sciences II (F,W)

### Chemistry (Course requirements vary based on placement.)

If placed in CHM 101
- □ CHM 101 Intro to Chemistry I (F,W,S)
- □ CHM 102 Intro to Chemistry II (W,S)
- □ CHM 231 Organic Chemistry I (F,W)
- □ CHM 232 Organic Chemistry II (W,S)

If placed in CHM 110H
- □ CHM 110H Accelerated Intro to Chemistry (F)
- □ Math/Science Elective
- □ CHM 231 Organic Chemistry I (F,W)
- □ CHM 232 Organic Chemistry II (W,S)

### Mathematics (course requirements vary based on placement)

If placed in MTH 110
- □ MTH 110 Calculus I (F,W)
- □ MTH 112 Calculus II (W,S)

If placed in MTH 113
- □ MTH 113 AP Calculus (F)
- □ Math/Science Elective

If placed in MTH 115
- □ Math/Science Elective
- □ Math/Science Elective

### Additional Math/Science Courses Based on ID Major

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<thead>
<tr>
<th>Biology</th>
<th>Chemistry</th>
<th>Biochemistry</th>
<th>Mathematics</th>
<th>Physics</th>
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<tbody>
<tr>
<td>Advisor: Prof Pytel</td>
<td>Advisor: Prof Kehlbeck</td>
<td>Advisor: Prof Cohen</td>
<td>Advisor: Prof Khatami</td>
<td>Advisor: Prof LaBrake</td>
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- □ Biochemistry
  - □ BIO 330, 380 or BCH 382
  - □ BIO 200+ w/lab Elective

- □ BCH 382
  - □ CHM 240
  - □ CHM 200+ w/lab or 300+ Elective

- □ Biochemistry
  - □ MTH 115
  - □ MTH 200+ Elective

- □ Biochemistry
  - □ PHY 122
  - □ PHY 123

- □ Biochemistry
  - □ MTH 199
  - □ MTH 200+ Elective

- □ Biochemistry
  - □ PHY 200
  - □ PHY 210

- □ Biochemistry
  - □ MTH 117 or 130 or 234
  - □ MTH 200+ Elective

- □ Biochemistry
  - □ MTH 300+ Elective

- □ One additional PHY elective: PHY 220, 230, 270, 310 or 311
Leadership in Medicine Curriculum Worksheet

**LIM Non-Math/Science Courses**
(Student complete 15 non Math/Science courses, which includes a Statistics course or elective taken in its place)

All LIM Students Take:
- **LRS 150 LIM Research Seminar** (2nd S)
- **Statistics**: AP credit can meet Stats requirement. Replace with a non-science course. The LIM Statistics requirement can be met with the following courses: STA 104, ECO 243, SOC 300, PSC 220, PSY 200
- **HC 630** (1st F, also counts as a graduate course)
- **HC 633** (2nd W, also counts as a graduate course)

**Second ID Major Courses (typically eight):** Please check with your second ID major advisor regarding thesis requirement

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<th>Course</th>
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**Three Non Science Electives**

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**International Experience:** Mini Terms may be applied toward ID or count as free non-Science elective depending on credit offered. Director must approve all International Experiences

**Graduate Courses**

**Master of Science Courses** (12 courses required for MS Degree)

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- **HC 630 Introduction to Health Systems** (1st F – also counts as an undergraduate course)
- **HC 633 Health Care Leadership** (2nd W – also counts as an undergraduate course)
- **AC 604 Financial & Managerial Accounting for Decision Making**
- **HC 605 Health Operations Management**
- **HC 617 Health Care Finance**
- **HC 634 Health & Human Values I** (3rd Su) (replace with HC 650 beginning summer 2020)
- **HC 635 Economics of Health** (3rd S) or **HC 620 Health Economics** (only open MBA candidates)
- **HC 637 Clinical Leadership Practicum** (4th S – course scheduled once a month throughout senior year and includes additional scheduled classes in Spring term)
- **HC 651 Health Systems Management** (3rd W)
- **HC 656 Group Practice Management** (3rd Summer)
- **HC 674 Legal Aspects of Health Care**
- **HC 684 Health Leadership Capstone**

**Additional Courses required for MBA** (16 courses required for MBA degree)

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<th>Course</th>
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