

LIM Curriculum Worksheet 2021+

Core LIM Math/Science Courses Students may use a Math/Science elective, if available, toward BIO 206 thus reducing the total number of Math/Science courses from 17 to 16. Student must take a minimum of 16 Math/Science courses.

Refer to LIM FAQ in nexus for additional information.

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 – available beginning 2018/19)
- BIO 206 Topics in Physiology (F,W,S – available beginning 2018/19)
- BIO 210 Behavioral Neuroscience (taken during the 3rd summer)
- One of the following upper level Biology courses:

BIO 332 Comparative Vertebrate
Anatomy
BIO 378 Cancer Cell Biology
BIO 384 Molecular Genetics

BIO 330 Comparative Animal Physiology
BIO 354 Developmental Biology (not offered 17-18)
BIO 363 Introduction to Cellular Neuroscience (not offered 17-18)

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,W)
- 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

<u>Biology</u>	<u>Chemistry</u>	<u>Mathematics</u>	<u>Physics</u>
Advisor: Prof Pytel	Advisor: Prof Kehlbeck	Advisor: Prof Rosenthal	Advisor: Prof LaBrake
<input type="checkbox"/> One of the following Biochemistry courses: <ul style="list-style-type: none">• BCH 335• BIO 380• CHM 382	<input type="checkbox"/> CHM 382 <input type="checkbox"/> CHM 240 <input type="checkbox"/> CHM 200+ w/lab Elective or 300+ Elective	<input type="checkbox"/> Biochemistry course <input type="checkbox"/> MTH 115 <input type="checkbox"/> MTH 199 <input type="checkbox"/> MTH 117 or MTH 130 <input type="checkbox"/> MTH 200+ Elective* <input type="checkbox"/> MTH 200+ Elective* <input type="checkbox"/> MTH 300+ Elective <small>*students should consult Professor Rosenthal for elective course selections</small>	<input type="checkbox"/> Biochemistry course <input type="checkbox"/> PHY 122 <input type="checkbox"/> PHY 123 <input type="checkbox"/> PHY 200 <input type="checkbox"/> PHY 210 <input type="checkbox"/> One additional PHY elective: PHY 220,230,270,310 or 311
<input type="checkbox"/> BIO Elective non Gen Ed 200+ w/lab			
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LIM Non-Math/Science Courses

(Students 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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| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

Three Non Science Electives

- | | |
|--------------------------------|--------------------------------|
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| <input type="checkbox"/> _____ | |

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)

Prerequisites

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|--|----------------|
| <input type="checkbox"/> HC 630 Introduction to Health Systems (1 st F – also counts as an undergraduate course) | |
| <input type="checkbox"/> HC 633 Health Care Leadership (2 nd W – also counts as an undergraduate course) | HC 630 |
| <input type="checkbox"/> AC 604 Financial & Managerial Accounting for Decision Making (F onsite) | |
| <input type="checkbox"/> HC 605 Health Operations Management (W) | |
| <input type="checkbox"/> HC 617 Health Care Finance (S) | AC 604 |
| <input type="checkbox"/> HC 634 Health & Human Values I (3 rd Su) | HC 630, HC 633 |
| <input type="checkbox"/> HC 635 Economics of Health (3 rd S) or HC 620 Health Economics (special permission needed) | HC 630, HC 633 |
| <input type="checkbox"/> HC 637 Clinical Leadership Practicum (4 th S – course scheduled once a month throughout senior year and includes additional scheduled classes in Spring term) | HC 630, HC 633 |
| <input type="checkbox"/> HC 651 Health Systems Management (3 rd W) | HC 630, HC 633 |
| <input type="checkbox"/> HC 656 Group Practice Management (3 rd Summer) | HC 651 |
| <input type="checkbox"/> HC 674 Legal Aspects of Health Care (S,**Su) | HC 630, HC 633 |
| <input type="checkbox"/> HC 684 Health Leadership Capstone (Senior S) | ALL |

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

Prerequisites

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|--|---------------------|
| <input type="checkbox"/> IS 647 Statistical Methods for Data Analytics (F,**Su) HC 626 | A statistics course |
| <input type="checkbox"/> Health Systems Marketing (**F,W) | |
| <input type="checkbox"/> HC 648 Health Informatics (W,**Su) | |
| <input type="checkbox"/> HC 680 Health Policy & Managerial Epidemiology (S) | |

** Designates online course. Online courses will not appear on your Union transcript and will not be calculated into your GPA for Undergrad graduation but will be calculated in your overall GPA in the LIM program.