

3-2 MAT Secondary Education General Education Requirements

Name: _____ Education Advisor: _____ Date assigned: _____

Content Major Advisor: _____ Date assigned: _____

**GEC REQUIREMENTS FOR FIRST-YEAR STUDENTS ENTERING LAKE FOREST COLLEGE
FALL 2018 OR LATER OR
TRANSFER STUDENTS ENTERING FALL 2019 OR LATER**

Required Courses	Course No.	Semester Completed
NATURAL SCIENCES (1 required for GEC)		
QUANTITATIVE REASONING (1 required for GEC)		
HUMANITIES (1 required for GEC)		
PHIL 220 or HIST 220 (recommended)		
SOCIAL SCIENCES (1 required for GEC)		
PSYC 110 Introduction to Psychology		
PSYC 210 Developmental Psychology		
CREATIVE & PERFORMING ARTS (1 required for GEC)		
GLOBAL PLURALISM (1 required for GEC)		
US DOMESTIC PLURALISM (1 required for GEC)		
EDUC 315 (required of secondary Education majors)		

Program Stage Dates	
LFC entry	
TE program entry	
TE program exit	

Passing test scores/ dates	
Basic Skills (TAP/ACT/SAT)	
Content test	
edTPA	

**GEC REQUIREMENTS FOR FIRST-YEAR STUDENTS ENTERING LAKE FOREST COLLEGE
BEFORE FALL 2018
OR TRANSFER STUDENTS BEFORE FALL 2019**

Required Courses	Course No.	Semester Completed
NATURAL SCIENCES (2 required for GEC from different depts)		
HUMANITIES (2 required for GEC from different depts)		
<u>PHIL 220</u> or <u>HIST 239</u> (recommended)		
<u>SOCIAL SCIENCES</u> (2 required for GEC from different depts)		
<u>PSYC 110</u> Introduction to Psychology		
<u>PSYC 210</u> Developmental Psychology		
CULTURAL DIVERSITY (2 required for GEC from different depts)		
<u>EDUC 315</u> (required of secondary Education majors)		

**Secondary Education Major
Professional Course Sequence
(Licensure Program Requirements)**

Required Courses	Semester Completed	GEC REQUIREMENT
EDUC 210 Observing the Schooling Process		Writing-intensive
EDUC 215 Instructional Communication		Speaking-intensive
HIST 239 or PHIL 220 or SOAN 244 Hist or Phil or Anthro of Education		
EDUC 413 Reading in the Content Areas		
EDUC 415 Middle School Fieldwork & Seminar		Experiential Learning
EDUC 519 Secondary Curriculum & Instructional Design		Technology-intensive
EDUC 520 Discipline Specific Secondary Instructional Design		Senior Studies
EDUC 414 Inclusive Learning Environments		
EDUC 521 Secondary Student Teaching		

Note: a grade of B- or better is required in Education Courses

**Secondary Education Program
Courses Required to Meet Content Area Standards
(Licensure Program Requirements)**

Major: _____ Major Advisor: _____ Date assigned: _____

(Please note: a full major in the content area of licensure is required.)

Mathematics	
Courses Required for Math Major	Sem. Comp.
MATH 110 Calculus I	
MATH 111 Calculus II	
CSCI 112 Computer Science 1	
MATH 210 Multivariable Calculus	
MATH 230 Abstract and Discrete Mathematics	
MATH 231 Linear Algebra	
MATH 311 Intro to Real Analysis	
MATH 330 Modern Algebra I	
MATH 499 Senior Seminar	
<p><u>Geometry/Stats Requirements Specific to Education Program:</u> The normal Math major requires 12 courses. For Education Licensure, a Math major must augment the above 9 courses with the following 3 courses: (Differs slightly from normal math major requirements.)</p>	
MATH 340 Geometry <i>*replaces normal breadth requirement of 1 course from: Phys120, Phil265, Econ330, CSCI212 or higher</i>	
MATH 350 and MATH 351 Probability and Statistics <i>*specific sequence requirement Only offered every other year. If 350/351 falls during student teaching year, may substitute 2 courses as follows:</i> MATH 150 Intro Prob/Stats MATH 300+ One 300+ Math elective	

History	
Courses Required for History Major	Sem. Comp.
HIST 110 World Civilizations to 1650	
HIST 300 Theory and Methods	
<u>History Sequence Required for Ed Majors</u>	
HIST 200 Foundations of the American Republic	
HIST 201 Modern America	
<u>History Electives Required for Ed Majors</u>	
HIST 208 (or equivalent 300 level course) Early European History	
HIST 209 (or equivalent 300 level course) Modern European History	
HIST 212 (or equivalent 300 level course) Early East Asian history	
HIST 213 (or equivalent 300 level course) Modern East Asian History	
<u>Other Courses Required for Full History Major</u>	
300 Level Course (can be same content as electives above)	
300 Level Course (can be same content as electives above)	
HIST 420 Senior Seminar/ Independent Research Project/ Thesis	
<u>Broad Field Social Science Courses Required for Licensure</u>	
POLS 110 Introduction to Politics	
POLS 120 Introduction to American Politics	
ECON 110 Principles of Economics	
SOAN 110 Introduction to Sociology and Anthropology	
PSYC 110 Introduction to Psychology	

Biology	
<u>Courses Required for Biology Major (meets CAS)</u>	Sem. Completed
<u>BIO 120</u> Organismal Biology	
<u>BIO 130 - 139</u> (choose 1) Core Biological Inquiry	
<u>BIO 220</u> Ecology and Evolution	
<u>BIO 221</u> Cellular and Molecular Biology	
<u>Other Courses Required for Full Biology Major (2 with lab – 1 in each group)</u>	
<u>Cellular and Molecular Biology</u> (320, 322, 324, 325, 326, 340, 342, 346, 352, 360, 362, 372)	
<u>Organismal Biology</u> (320, 330, 340, 342, 344, 346, 360, 362, 383, 384)	
<u>Ecology and Evolution</u> (330, 344, 370, 373, 374, 375, 383, 384, 389)	
<u>BIO 494</u> Senior Seminar or Senior Thesis	
<u>BIO 150</u> Reasoning and Statistical Inference in Biology or <u>MATH 110</u> Calculus I or <u>MATH 150</u> Probability & Statistics	
<u>CHEM 115</u> Chemistry I	
<u>CHEM 116</u> Chemistry II	
<u>Broad Field Science Courses Required for Licensure</u>	
<u>PHYS 101, 102 or 103</u> Astronomy	
<u>PHYS 110/120</u> Introductory Physics	

Chemistry	
<u>Courses Required for Chemistry Major (meets CAS)</u>	Sem. Completed
<u>CHEM 115</u> Chemistry I	
<u>CHEM 116</u> Chemistry II	
<u>CHEM 220</u> Organic Chemistry I	
<u>CHEM 221</u> Organic Chemistry II	
<u>CHEM 320</u> Physical Chemistry I	
<u>CHEM 321</u> Physical Chemistry II	
<u>300 Level CHEM Course</u> (300/330/420/494)	
<u>CHEM 410</u> Senior Seminar or Senior Thesis	
<u>Other Courses Required for Full Chemistry Major</u>	
<u>PHYS 110/120</u> Introductory Physics	
<u>PHYS 111/121</u> Introductory Physics	
<u>MATH 110</u> Calculus I	
<u>MATH 111</u> Calculus II	
<u>Broad Field Science Courses Required for Licensure</u>	
<u>BIO 120</u> Organismal Biology	
<u>BIO 220</u> Ecology and Evolution	
<u>PHYS 101, 102 or 103</u> Astronomy	

Neuroscience	
Courses Required for NEUR Major (meets CAS)	Sem. Completed
<u>BIO 120</u> Organismal Biology	
<u>BIO 221</u> Cellular and Molecular Biology	
<u>CHEM 115</u> Chemistry I	
<u>CHEM 116</u> Chemistry II	
<u>PSYC 110</u> : Introduction to Psychology	
<u>PSYC 221</u> : Research Methods and Statistics I	
<u>PSYC 222</u> : Research Methods and Statistics II	
<u>BIO 346</u> : Neuron to Brain	
<u>PSYC 370</u> : Brain to Behavior	
4 Electives (at least 2 must be biology courses; 1 must be a psychology course)	
<u>NEUR</u> elective	
<u>NEUR</u> elective	
<u>NEUR</u> elective	
<u>NEUR</u> elective	
<u>NEUR 4xx</u> : Senior Seminar or Senior Thesis	
<u>Broad Field Science Courses Required for Licensure</u>	
<u>PHYS 101, 102 or 103</u> Astronomy	
<u>PHYS 110/120</u> Introductory Physics	
<u>BIO 220</u> Ecology and Evolution	

Courses Required for BMB Major (meets CAS)	Sem. Completed
<u>BIO 120</u> Organismal Biology	
<u>BIO 221</u> Cellular and Molecular Biology	
<u>CHEM 115</u> Chemistry I	
<u>CHEM 116</u> Chemistry II	
<u>CHEM 220</u> Organic Chemistry I	
<u>CHEM 221</u> Organic Chemistry II	
<u>CHEM 320</u> Physical Chemistry I or <u>CHEM 321</u> Physical Chemistry II	
<u>BMB 300</u> : Biochemistry	
<u>BMB 322</u> : Molecular Biology	
<u>PHYS 110/120</u> Introductory Physics	
<u>PHYS 111/121</u> Introductory Physics	
<u>MATH 110</u> Calculus I	
<u>MATH 111</u> Calculus II	
<u>BMB</u> biology elective	
<u>BMB</u> elective (select biology if seeking primary endorsement in biology/select chemistry if seeking primary endorsement in chemistry)	
<u>BMB 493 or 494 or 415</u> Senior Seminar, Project or Thesis	
<u>Broad Field Science Courses Required for Licensure</u>	
<u>PHYS 101, 102 or 103</u> Astronomy	
<u>BIO 220</u> Ecology and Evolution	

English (Literature Track)	
Courses (Required for English Major (meets CAS))	Sem Comp
<u>ENG 210</u> Ancient and Medieval Literature	
<u>ENG 211</u> English Literature I: The Renaissance and Eighteenth Century	
<u>ENG 212</u> English Literature II: The Nineteenth and Early Twentieth Centuries	
<u>ENG 204</u> Nineteenth-Century American Literature	
<u>ENG 205</u> Twentieth-Century American	
<u>ENG 135</u> Introduction to Creative Writing	
<u>ENG 220</u> Shakespeare	
<u>Elective Course</u> (ENG 262, 302, 304, 305, 306, 307, 308, 309, 310, 316, 321, 322, 331, 336, 345, 347, 400, 401, 402, 403,404, 405)	
<u>Elective Course</u> (ENG 262, 302, 304, 305, 306, 307, 308, 309, 310, 316, 321, 322, 331, 336, 345, 347, 400, 401, 402, 403,404, 405)	
<u>ENG 450</u> Senior Seminar or Senior Thesis	
Other Courses (Required for Licensure)	
<u>COMM 135</u> Rhetoric & Speech OR <u>COMM 253</u> Argumentation and Advocacy	

English (Writing Track)	
Courses (Required for English Major (meets CAS))	Sem Comp
<u>ENG 210</u> Ancient and Medieval Literature	
<u>ENG 211</u> English Literature I: The Renaissance and Eighteenth Century	
<u>ENG 212</u> English Literature II: The Nineteenth and Early Twentieth Centuries	
<u>ENG 135</u> Introduction to Creative Writing	
<u>ENG 204</u> Nineteenth-Century American Literature	
<u>ENG 205</u> Twentieth-Century American Literature	
<u>ENG 220</u> Shakespeare	
<u>Elective Course</u> ENG 242, 243, 244, 245, 246, 247, 248, 252, 269, 360, 361, 362, 364, 365, 367, 368, 369, 370, 392	
<u>Elective Course</u> ENG 242, 243, 244, 245, 246, 247, 248, 252, 269, 360, 361, 362, 364, 365, 367, 368, 369, 370, 392	
<u>ENG 440</u> Senior Seminar or Senior Thesis	
Other Courses (Required for Licensure)	
<u>COMM 135</u> Rhetoric & Speech OR <u>COMM 253</u> Argumentation and Advocacy	

SEMESTER PLANNING SHEET

Semester _____ Year _____
1. _____
2. _____
3. _____
4. _____

Semester _____ Year _____
1. _____
2. _____
3. _____
4. _____

Semester _____ Year _____
1. _____
2. _____
3. _____
4. _____

Semester _____ Year _____
1. _____
2. _____
3. _____
4. _____

Semester _____ Year _____
1. _____
2. _____
3. _____
4. _____

Semester _____ Year _____
1. _____
2. _____
3. _____
4. _____

Semester _____ Year _____
1. _____
2. _____
3. _____
4. _____

Semester _____ Year _____
1. EDUC 413
2. EDUC 415
3. EDUC 414
4. _____

(BA completed)

Summer Session I: EDUC 501

MAT Year:

Semester _____ Year _____
1. EDUC 519
2. EDUC 520
3. _____
4. _____

Semester _____ Year _____
1. EDUC 521
2. _____
3. _____
4. EDUC 502

(MAT and licensure completed)