

Post-BA MAT Secondary Education General Education Requirements

Name: _____ Education Advisor: _____ Date assigned: _____

	Required Courses	Semester Completed
<u>Foundational Coursework</u>	<u>EDUC 210</u> Observing the Schooling Process	
	<u>HIST 239 or PHIL 220 or SOAN 244</u> Hist or Phil or Anthro of Ed	
<u>MAT Coursework</u>	<u>EDUC 215</u> Instructional Communication	
	<u>EDUC 413</u> Reading in the Content Areas	
	<u>EDUC 415</u> Middle School Fieldwork & Seminar	
	<u>EDUC 414</u> Inclusive Learning Environments	
	<u>EDUC 501</u> Introduction to Teacher Research	
	<u>EDUC 519</u> Secondary Curriculum & Instructional Design	
	<u>EDUC 520</u> Discipline Specific Secondary Instructional Design	
	<u>EDUC 521</u> Secondary Student Teaching	
	<u>EDUC 502</u> Teacher Action Research Project	

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

Program Stage Dates	
LFC entry	
TE program entry	
TE program exit	

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

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

Mathematics	
Courses Required for Math Major	Sem. Comp.
<u>MATH 110</u> Calculus I	
<u>MATH 111</u> Calculus II	
<u>CSCI 112</u> Computer Science 1	
<u>MATH 210</u> Multivariable Calculus	
<u>MATH 230</u> Abstract and Discrete Mathematics	
<u>MATH 231</u> Linear Algebra	
<u>MATH 311</u> Intro to Real Analysis	
<u>MATH 330</u> Modern Algebra I	
<u>MATH 499</u> Senior Seminar	
<p><u>Geometry/Stats Requirements Specific to Education Program:</u></p> <p>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>	
<u>MATH 340</u> Geometry <i>*replaces normal breadth requirement of 1 course from: Phys120, Phil265, Econ330, CSCI212 or higher</i>	
<u>MATH 350 and MATH 351</u> 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> <u>MATH 150</u> Intro Prob/Stats <u>MATH 300+</u> One 300+ Math elective	

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

<u>Courses Required for BMB Major (meets CAS)</u>	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\

YEAR ONE

Semester _____ Year _____

1. EDUC 210
2. EDUC 215
3. content course
4. (PSYC 110)

Semester _____ Year _____

1. EDUC 413
2. EDUC 415
3. EDUC 414
4. PSYC 210


Summer Session I: EDUC 501

YEAR TWO

Semester _____ Year _____

1. EDUC 519
2. EDUC 520
3. (hist /phil/ anthro of ed)
4. _____

Semester _____ Year _____

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