

Departments of Chemistry and Mathematics
Major Advisement Form

Degree Program: Bachelor of Arts in Secondary Education(Chemistry and Mathematics)

Catalog: 2005-2006 (Revised on August 2, 2005)

Required Courses(108-122 credits plus supporting courses in Physics)

This major meets the requirements for the Washington State teaching endorsements in both Chemistry and Mathematics. This major must be accompanied by the professional education program in secondary education.

<u>Course Number</u>	<u>Prerequisite</u>
Math 124	Suitable score on Adv. Math Placement test or C- or above in Math 115 or Math 118
Math 125	Math 124
Math 224	Math 125 or Math 128
Math 204*	Math 125 or 128; Math 224 recommended
Math 209	Math 125 or Math 128
Math 331*	Math 224; co-requisite: Math 204
Math 360	Math 125 or Math 128, Math 204 and either M 209 or 302
Math 419	Twelve credits of upper division Math courses.
Math 483	At least two upper division Math courses

At least two of the following:

Math 207	Basic computer literacy (CSCI 101 or equivalent); M 125 and M 204
Math 341	Math 125 or Math 128
Math 410	*Math 204, Math 224 and Math 331
Chem 121	Math 114 or equivalent score on Intermediate Math Placement Test
Chem 122	Chem 121
Chem 123	Chem 122
Chem 333	Chem 123
OR	
Chem 125	One year High School equivalent of Chemistry and Math 114
Chem 126	Chem 125
Chem 225	Chem 126

*Math 203 and 303 can replace Math 204 and 331. Refer to the Catalog for descriptions of these courses.

Option A or B:

A: Chem 251	Chem 115 or 121 or 125
Chem 375	Chem 251 (or Chem 351, 352 353)
B: Chem 351	Chem 123 or 225 or concurrent
Chem 352	Chem 351
Chem 353	Chem 352
Chem 354	Chem 352 or concurrent
Chem 375	Chem 251 (or Chem. 351, 352 353)

or Chem 471, 472, 473 (please refer to catalog for prerequisites)
(That is, complete 354 and 375 or complete 471, 472 and 473)

Additional Chem. Requirements:

Chem 461	One year of college physics, Math 224 and one year of general Chemistry
Chem 462	Chem 461

Physics 121, 122, 123, 131, 132 and 133

Science education 370, 491 and 492

Prerequisites:

for 491: Admission to the Secondary Teaching Program and a major or concentration in Natural Sciences (please refer to the catalog).

For 492: Sci. Ed. 491