

DEPARTMENTS OF MATHEMATICS and PHYSICS

Major Advisement Form

Degree Program: Bachelor of Arts in Secondary Education (Physics / Mathematics)

Catalog: 2007-2008 (Revised on October 18, 2007)

REQUIRED COURSES (106-107 credits)

This major must be accompanied by the professional education program in secondary education. This major meets the requirements for Washington state endorsements in both physics and mathematics. See the Secondary Education section of the catalog for program admission, completion, and teacher certification requirements.

<u>Course Number</u>	<u>Prerequisite</u>
Math 124 or 134	Suitable score on Adv. Math Placement test or at least C- in Math 115 or Math 118
Math 125 or 135	Math 124 or Math 128 or Math 134
Math 204*	Math 125 or Math 128 or Math 135; Math 224 recommended
Math 209	Math 124 or Math 128 or Math 134
Math 224	Math 125 or Math 128 or Math 135
Math 331*	Math 204; Co-requisite: Math 224 recommended
Math 360	Math 125 or 128 or Math 135, 204 and either 209 or 302
Math 419	12 credits of upper division math
Math 483	At least two upper division Math courses

At least two courses from:

Math 207	Basic computer literacy (CSCI 101 or equivalent); Math 125, 128 or 135 and Math 204
Math 341	Math 204; co-req: Math 224 recommended
Math 410	Math 204 and Math 331 or Math 203 and 303; and Math 224

Phys 121	Math 124 or 134; concurrent concurrent enrollment in Physics 131 (lab)
Phys 122	Phys 121; Math 125 or 134; pre or copreq Math 125 concurrent; concurrent enrollment in Phys 132 (lab)
Phys 123	Phys 122; pre or concurrent enrollment in Math 224; concurrent in Physics 133 (lab)
Phys 131	Concurrent enrollment in Phys 121
Phys 132	Concurrent enrollment in Phys 122
Phys 133	Concurrent enrollment in Phys 123
Phys 219	Math 124 or concurrent
Phys 223	Phys 123; Math 224; concurrent enrollment in Phys 233 (lab)
Phys 224	Phys 223
Phys 225	Phys 224
Phys 233	Concurrent enrollment in Phys 223
Phys 322	Phys 123
Phys 326	Phys 224, 233; Math 203, 204
Phys 391	Phys 225, 322
Astr 315	Phys 114 or equivalent.

SCED 370

SCED 481 Chem 123 or 225 or Geology 212 or Bio 206 or Phys 123

SCED 491 Admission to the Secondary Teaching Program and a major or concentration in natural sciences (SEC 431 or 532 and SCED 481)

Nine additional credits of upper-division physics or astronomy courses, including 2-3 credits from Phys 491, 492, or Astr 493

*Note: The sequence Math 203 and 303 may be substituted for Math 204 and 331 combined.