

Advising Worksheet (2008-2009 Catalog)

Updated with the New Course Numbers

For Undergraduate Mathematics Education Majors

Name: _____ Date: _____

Email: _____ ID: 790- - _____

Advisor: _____ Catalog for Graduation: _____

A. General Education Requirements

(i) Competency Requirements

English Writing Skills: (recommended)

WRIT 101 = ENEX 101 (3) (*need C or better*) _____

6 credits in Writing (W) (*need C- or better*)

One of: LIT 110L [=ENLT 120L], LIT 120L
[=ENLT 121L], LS 151L, LS 152L (3) _____

Pass Upper Division Writing Proficiency Assessment exam before
beginning (>300) M 429W = MATH 406W (3) _____

Mathematical Literacy and Foreign Language/Symbolic Systems:

These requirements are automatically satisfied with a C or better in
M 171 = MATH 152.

(ii) Distributional Requirements (*need C- or better*)

27 credits; at least 2 credits in each perspective and 6 credits in
Perspective #6 with a maximum of 6 credits from any one
perspective. One non-western course required among Perspectives #1
– #5. Recommended:

1. Per. 1 (A) COMM 111A (3) _____

2. Per. 2 (L) (one of the writing L-courses listed above) (3) _____

3. Per. 3 (H) NAS 100H (3) _____

4. Per. 4 (S) PSYX 100S = PSYC 100S (4) _____

5. Per. 5 (E) C&I 407E (3) _____

6. Per. 6 (N) (Make sure that Lab: (≥1) _____
these courses count in part D!) Non-lab: _____

Other: (to complete 27 cr.) _____

B. Mathematics Major Requirements (Minor*)

* M 171 = MATH 152 (4)	Calculus I	_____
* M 172 = MATH 153 (4)	Calculus II	_____
* M 221 = MATH 221 (4) ¹	Linear Algebra	_____
* M 301 = MATH 301 (3)	Teaching w Tech	_____
* M 307 = MATH 305 (3) ¹	Intro Abstr Math	_____
* M 326 = MATH 326 (3) ²	Number Theory	Spr. _____
* STAT 341 = MATH 341 (3)	Prob & Stat	_____
M 429W = MATH 406W (3)	History of Math	Spr. _____
M 431 = MATH 421 (4) ²	Abstract Algebra I	Fall _____
* M 439 = MATH 431 (3)	Geometry	Fall _____
* C&I 430 (4)	Teaching Math Methods	Fall _____
M/MATH/STAT elective (3-4) ³		_____

* Courses with an asterisk are required for a mathematics teaching minor.

¹ It is recommended to take M 221 [=MATH 221] before M 307 [=MATH 305].

² It is recommended to take M 326 [=MATH 326] before M 431 [=MATH 421].

³ Must be chosen from M 273, 311, 325, 361, 362, or from MATH 251, 311, 325, 381, 382, or from the 3-4 credit 400-level M/MATH/STAT courses.

C. Teacher Licensure Requirements

- (a) WRIT 101 = ENEX 101 (3) _____
- (b) PSYX 100S = PSYC 100S (4) _____
- (c) HHP 233 (3) _____
- (d) (Recommended: NAS 100HW)
NASL/NAS _____ (3) _____
- (e) C&I 200 (1) _____
- (f) C&I 303 (3) _____
- (g) C&I 407E (3) _____
- (h) C&I 410 (3) _____
- (i) C&I 427 (3) _____
- (j) C&I 430 (4) _____
- (k) C&I 301 or 302 (1) _____
- (l) HHP 288/289 (3) _____
or current first aid / CPR card
- (m) C&I 482 (14) _____
- (n) C&I 494 (1) _____
C&I 306 waived by M/MATH 301 and C&I 430.

D. Science Requirement and more – SEE NEXT PAGE

D. Math Major Science Requirement

Either 12 credits from at most two sciences selected from astronomy, biology, chemistry, computer science, geology, microbiology and physics;

or an additional minor or major;

or an additional teaching minor or major.

_____	_____
_____	_____
_____	_____
_____	_____

Credit Requirement: 128 credits required for graduation.

Grade Requirement: Beginning with the 2005-2006 Catalog, all courses taken to satisfy the requirements of the major must be completed with a grade of C- or better. This applies to all courses listed in **B**, **C**, and **D**!

Transfer Courses: When substituting courses for the 300/400-level M/MATH/STAT courses listed in **B**, please keep the following requirement for all Math B.A. degrees in mind: In addition to M 307 [=MATH 305], six 3- or 4-credit M/MATH/STAT courses numbered 300 or above are required. At least three of the six must be numbered 400 or above. For this requirement, the following courses do not count: STAT 451, 452 [= MATH 444, 445], and M/MATH/STAT courses numbered 390-399 and 490-499.

Advising Guidelines from the 2008-2009 Catalog

References to Sections in the Online Catalog:

APP = “Academic Policies and Procedures”,

GUR = “General University Requirements”,

RG = “Requirements for Graduation”.

These sections are linked from the chapter “Academic Information”.

Credit Load: maximum 21 per semester; minimum full-time load 12 per semester (APP; p. 24)

Requirements for a First Bachelor Degree (APP, GUR, RG; pp. 21-33)

- 120 credits total: (RG; p. 26)
 - Minimum of 39 credits in courses numbered 300 or above (RG; p. 26)
 - Maximum of 60 credits in major can be counted toward degree (GUR; p. 32)
- GPA of at least 2.00 in all work attempted in major (GUR; p. 32)
- **Courses taken to satisfy the requirements of the major must be completed with a grade of C- or better.** (GUR; p.32)
- Maximum of 18 “credit/no credit” credits (see APP (or p. 22) for limitations). Note: With the exception of Math 300, all math courses counting towards a math major or minor must be taken for traditional letter grade.
- General education requirements (GUR; pp. 27-31) (transfer students: search for “General Education for Transfer Students” in GUR, or see pp. 31-32)
- Residency requirements (i.e., minimum requirements on the number of credits earned at UM Missoula) (RG; p. 26)
- Students must declare a major before completing 45 credits or after 3 semesters, whichever occurs first. (GUR; p. 32)
- Undergraduates in graduate courses: only post-baccalaureates and seniors having a GPA of 3.0 or greater may, with consent of instructor, enroll in 500-level courses. (APP; p. 24)

Graduation:

- Must apply for degree candidacy nearly 2 semesters before your expected graduation date (RG; p. 25)
- Graduation with Honors or High Honors: See requirements in RG (p. 26) and talk to your advisor.