

MATHEMATICS (Concentration for Prospective Math Teachers)

STUDENT ADVISING FORM

STUDENT: \_\_\_\_\_ DATE MATRICULATED: \_\_\_\_\_

ADVISOR: \_\_\_\_\_ TRANSFER CREDITS: \_\_\_\_\_ Associate Degree YES NO

MAJOR COURSE REQUIREMENTS (36/37 Credits)	Cr.	Grade	Sem.	Notes
MAT 112 Basic Statistics	_____	3.....	_____	_____
MAT 201 Calculus I	_____	3.....	_____	_____
MAT 202 Calculus II	_____	3.....	_____	_____
MAT 301 Calculus III	_____	3.....	_____	_____
MAT 302 Calculus IV	_____	3.....	_____	_____
MAT 305 Fund. Struct. of Math	_____	3.....	_____	_____
MAT 303 History of Mathematics	_____	3.....	_____	_____
MAT 313 Mathematics: A Heuristic Approach	_____	3.....	_____	_____
MAT 331 Linear Algebra	_____	3.....	_____	_____
MAT 334 Abstract Algebra	_____	3.....	_____	_____

Advanced Math Electives (Two 300-400 level Mathematics Courses)

MAT \_\_\_\_\_ 3.....

MAT \_\_\_\_\_ 3/4.....

MAJOR RELATED COURSES (7-8 credits) Two of the following:

CSC 101 Computer Science I \_\_\_\_\_ 3.....

PHY 261 /262 Physics I/II \_\_\_\_\_ 4.....

**GEN ED Component One: (0-24 credit hours) (Completed )**

- I. Written Communication (0-6 credits): Exempted \_\_\_\_\_ OR ENG 101: \_\_\_\_\_, ENG 102: \_\_\_\_\_,
- II. Oral Communication (0-3 credits): Exempted \_\_\_\_\_ OR COM: \_\_\_\_\_ (COM 101, COM 103, THE 136)
- III. Foreign Languages (0-6 credits): Exempted \_\_\_\_\_ OR Foreign Language I \_\_\_\_\_, Foreign Language II \_\_\_\_\_
- IV. Quantitative Reasoning (0-6 credits) Exempted from math \_\_\_\_\_ OR two courses, at least one with MAT prefix:  
Quantitative Course I, \_\_\_\_\_, Quantitative Course II, \_\_\_\_\_,
- V. Computer Use (1-3 credits) Exempted \_\_\_\_\_ OR CSC \_\_\_\_\_ (CSC 117, CSC 118, Course designated by math dept).

**GEN ED Component Two: (25 credit hours) (Completed )**

- VI. Humanities (9 credits) One course from each of the following categories  
Literature: \_\_\_\_\_, Fine Arts: \_\_\_\_\_, Philosophy/Semiotic System: \_\_\_\_\_
- VII. Natural Sciences (7- 8 credits) One course from two of the following categories  
BIO: \_\_\_\_\_, CHE: \_\_\_\_\_, Envi Sci. \_\_\_\_\_ GOE: \_\_\_\_\_ Hist/Phil of Sci/Tec: \_\_\_\_\_, PHY: \_\_\_\_\_
- VIII. Social Sciences (9 credits) One course from each of following categories (One course be a D course)  
History & Heritage: \_\_\_\_\_, Social Institutions and Processes: \_\_\_\_\_, Individual, Cul/Soc: \_\_\_\_\_

**GEN ED Component Three: Integrated Writing (3 OR 6 credits) (Completed )**

Two WI Courses after a student has completed 27 credit hours. WI Course I, \_\_\_\_\_, WI Course II \_\_\_\_\_  
One WI Course for transfer students who transfer with core complete. WI Course I \_\_\_\_\_.

**Free Elective Courses:** (Sufficient number to earn 120 hours) \_\_\_\_\_ hours

**Liberal Arts courses 90 credits**

## New General Education Core Courses (31-55 credits)

### Component One: (0-24 credit hours)

**I. Written Communication (0-6 credits):** Exempt \_\_\_\_\_ OR ENG 101: \_\_\_\_\_, ENG 102: \_\_\_\_\_

**II. Oral Communication (0-3 credits):** \_\_\_\_\_ Exempt \_\_\_\_\_ OR COM 101: \_\_\_\_\_, COM 103 \_\_\_\_\_ THE 136: \_\_\_\_\_

**III. Foreign Languages (0-6 credits):** Exempt \_\_\_\_\_ OR Foreign Language I \_\_\_\_\_, Foreign Language II \_\_\_\_\_

### **IV. Quantitative Reasoning (0-6 credits)**

Exempted \_\_\_\_\_ OR two of the following courses, at least one of which must have MAT as a prefix:

ECN 241 \_\_\_\_\_, MAT 104 \_\_\_\_\_, MAT 107 \_\_\_\_\_, MAT 112 \_\_\_\_\_,

MAT 131 \_\_\_\_\_, MAT 143 \_\_\_\_\_, MAT 151 \_\_\_\_\_, MAT 201 \_\_\_\_\_, PSY/SOC 211 \_\_\_\_\_

### **V. Computer Use (1-3 credits)**

Exempted \_\_\_\_\_ OR CSC 117 \_\_\_\_\_, CSC 118 \_\_\_\_\_, Course designated by math Depart. \_\_\_\_\_

### Component Two: (25 credit hours)

**VI. Humanities (9 credits)** One course from each of the following categories

**Literature:** ENG 135 \_\_\_\_\_, ENG 195 \_\_\_\_\_, ENG 245 \_\_\_\_\_, ENG 246 \_\_\_\_\_, LIT 205 \_\_\_\_\_, LIT 206 \_\_\_\_\_

**Fine Arts:** FIA 115 \_\_\_\_\_, FIA 245 \_\_\_\_\_, FIA 246 \_\_\_\_\_, MUS 245 \_\_\_\_\_, MUS 246 \_\_\_\_\_, THE 115 \_\_\_\_\_

**Philosophy:** ENG 103 \_\_\_\_\_, PHI 101 \_\_\_\_\_, PHI 103 \_\_\_\_\_, PHI 104 \_\_\_\_\_, PHI 105 \_\_\_\_\_, PHI 106 \_\_\_\_\_  
PHI 107 \_\_\_\_\_, PHI 108 \_\_\_\_\_

**VII. Natural Sciences (7-8 credits)** One course from two of the following categories

**Biology:** BIO 101 and 102 \_\_\_\_\_, BIO 111/111L \_\_\_\_\_, BIO 112/PSY 207 \_\_\_\_\_, BIO 113 \_\_\_\_\_, BIO 211 \_\_\_\_\_

**Chemistry:** CHE 103 \_\_\_\_\_, CHE 211 \_\_\_\_\_, ENV 201 \_\_\_\_\_

**Environmental Sciences:** ENV 201 \_\_\_\_\_

**Geology:** GOL 105 \_\_\_\_\_, GOL 115 \_\_\_\_\_, GOL 225 \_\_\_\_\_, GOL 226 \_\_\_\_\_, HPS 126 \_\_\_\_\_

**History and Philosophy of Science and Technology:** HPS 126 \_\_\_\_\_

**Physics:** PHY 116 \_\_\_\_\_, PHY 123 \_\_\_\_\_, PHY 151 \_\_\_\_\_, PHY 261 \_\_\_\_\_

**VIII. Social Sciences (9 credit hours)** One course from each of the following categories (One must be a D course)

**History & Heritage:** ANT 251(D) \_\_\_\_\_, HIS 125 \_\_\_\_\_, HIS 135(D) \_\_\_\_\_, HIS 145(D) \_\_\_\_\_, HIS 165(D) \_\_\_\_\_

**Social Institutions and Processes:** ECN 141 \_\_\_\_\_, GOV 101 \_\_\_\_\_, IS 101(D) \_\_\_\_\_

**The Individual, Culture, and Society:** ANT 101(D) \_\_\_\_\_, PSY 101 \_\_\_\_\_, SOC 151(D) \_\_\_\_\_

### IX. Component Three: Integrated Writing (3 OR 6 credits)

WI \_\_\_\_\_ WI Course II \_\_\_\_\_

Two WI Course after 27 credit hours OR one WI Course for transfer students who transfer with core completed.