Advising Guide for Math 7-12 Certification

This advising guide is for students on the following academic bulletins: 2009/2010; 2010/2011; 2011/2012; 2012/2013

This advising guide and your personal long range planning guide are designed to accompany the Degree Audit.
While every attempt has been made to accurately list all course requirements, please refer to the Undergraduate Bulletin and Degree Audit.

Last updated May, 2012 - BJ

Achievement-Centered Education (ACE) requirements are found in the undergraduate bulletin.

Pre-Professional Education Courses (13 hrs)

TEAC 331	School and Society (Sophomores+)	3 hrs
EDPS 251	Adolescent Development for Ed	3 hrs
EDPS 297	Practicum (take with EDPS 251)	1 hr
TEAC 259	Instructional Technology	3 hrs
TEAC 330	Multicultural Education (Sophomores+)	3 hrs

Endorsement Courses (35 hrs)

MATH 106	Calculus I Pre-requisite: Placement Exam	5 hrs
MATH 107	Calculus II Pre-requisite: Math 106	5 hrs
MATH 208	Calculus III Pre-requisite: Math 107	4 hrs

According to undergraduate bulletin, the calculus sequence needs to be completed prior to taking upper level math courses
.

MATH 310	Introduction to Modern Algebra	3 hrs
MATH 350	Concepts in Geometry Pre-requisite: Math 310	3 hrs
MATH 314	Applied Linear Algebra (Matrix Theory)	3 hrs
Math 221	Differential Equations	3 hrs
Or MATH 405	Discrete Mathematics	
Or Any 400 level Mathematics course		
STAT 380	Statistics & Applications	3 hrs

Note: Math 407 and 408 are taken after being admitted to the Teacher Education Program.

MATH 407	Mathematics for High School Teachers I Pre-requisite: Math 208 and 310	3 hrs
MATH 408	Mathematics for High School Teachers II Pre-requisite: Math 310 and 350	3 hrs

Acceptance into the Math Teacher Education Program is required before enrollment in the Professional Education courses. 80% of the endorsement courses must be completed prior to enrolling in TEAC 451P. The professional education sequence begins spring semester, continues in the fall semester, and is followed by a semester of student teaching.

Professional Education Courses (27 hrs)

Methods

TEAC 451P	Teaching Principles	3 hrs
TEAC 452P	Curriculum Principles	3 hrs
TEAC 397P	Practicum	3 hrs
EDPS 457	Learning and Motivation	3 hrs
SPED 401B	Mainstreaming	3 hrs

Student Teaching

TEAC 497P	Student Teaching	9 hrs
TEAC 403B	Student Teaching Seminar (ACE 10)	3 hrs

Achievement-Centered Education (ACE)
Requirements for Secondary Math Grades 7 – 12
ACE courses may be used to satisfy education and endorsement requirements.
See undergraduate bulletin for list of ACE courses.

Achievement – Centered Education (ACE)	**Course Taken Term and Grade Earned**	**Suggested Course(s)**	**Suggested Courses that if taken will meet an education or endorsement requirement as well as the ACE requirement**
ACE 1. Written Communication		ENGL 101, 150, 151 or 254	
ACE 2. Communication Competence		COMM 109, 209 or 210	
ACE 3. Math, Statistics			MATH 106, 107, 208, 221, 310, 314,
ACE 4. Scientific Method			
ACE 5. History/Humanities			
ACE 6. Human Behavior			EDPS 251, 457
ACE 7. Arts		COMM 205 if speech not taken as ACE 2 requirement	
ACE 8. Ethics			TEAC 331
ACE 9. Global Awareness			TEAC 330
ACE 10. Integration			TEAC 403B

Additional ACE Course Work Requirements
These may double dip with course work in the education and endorsement that are ACE courses.

❑ **Speech course: COMM 109, 209, 210 (ACE 2 courses) or COMM 205 (ACE 7 course)**. You may choose to meet the speech course requirement and an ACE 2 or ACE 7 requirement with one course.

❑ **Two ACE courses at the 300/400 level. TEAC 330, Teac 331, EDPS 457, and TEAC 403B are courses that meet program requirements, ACE requirements, and also may satisfy this requirement.**

❑ _____ ❑ _____

❑ **Four additional ACE courses for a total of 14 ACE courses.**
You may choose to select ACE courses above that meet education or endorsement requirements

❑ _____ ❑ _____

❑ _____ ❑ _____