Mathematics --Teacher Certification (7-12)

Name: _____

Major (s) (1)_____(2)_____

COLLEGE CORE REQUIREMENTS

1. Common Intellectual Experience

   CIE 100_____   CIE 200_____

2. Foreign Language (two courses)

   _____ ____   _____ ____

3. Deductive Reasoning (R)

   _____ ____

4. Scientific inquiry/experimentation (S)

   _____ ____

5. Social Scientific inquiry (SS)

   _____ ____

6. Quantitative reasoning (Q)

   _____ ____

7. Humanistic inquiry (H)

   _____ ____

8. Artistic/performance (A)

   _____ ____

9. DN/GN and O courses (Only 2 from student's major)

   DN Course   _____ ____

   GN Course   _____ ____

   O Course   _____ ____

10. Linked inquiry (LINQ)

    _____ ____

11. Core Capstone (CCAP)

    _____ ____

12. Experiential Learning Project (XLP)

    _____ ____

MATHEMATICS REQUIREMENTS
Students seeking teacher certification in mathematics for grades 7-12 must fulfill all requirements for a mathematics major.

Required of all math majors (28 credits):

MATH 112 _____	MATH 211 _____
MATH 235 _____	MATH 236W _____
MATH 311W _____	MATH 335 _____
CS 173 _____	

MATH 350 _____ (0 credtis. Oral presentation must be on some aspect of the history of mathematics).

Additional Required 300/400 Level Courses (16 credits)
Math majors must take four other mathematics courses at the 300- or 400-level, one of which must be a 400-level capstone. Certification students must choose the following, which fulfill Pennsylvania state teacher competencies:

MATH 322 _____	MATH 341 _____

MATH 442 _____ (fulfills major capstone requirement)

MATH ___ _____ (choice; see recommended list below)

Also Required For Certification (4 credits)

MATH 400 _____
(core capstone/CCAP. Does not count as 400-level elective)

Recommended Math And Statistics Courses
As many of the following as possible are strongly recommended. If possible, STAT-141Q and 242 should be taken before MATH-341 and 442:

STAT 141Q _____	STAT 242 _____
MATH 310 _____	MATH 434 _____

PA teacher certification requirements
(**38 credits** including EDUC-453 student teaching, 12 cr.)

EDUC 100 _____ 265 _____ 320 _____ 350W _____

EDUC 360 _____ 375 ____443 ____453 ____ 454 _____

ADDITIONAL REQUIREMENTS

Basic Skills exams: PAPA or CORE or SAT/ACT _____

Praxis II content exam: _____

3.0 GPA overall and in **EDUC** courses; **2.50** in **MATH/CS**

Major department recommendation