

Advanced Work in Major

1. Complete either of the following courses	4
CSC/CPE 103 Fund of Computer Sci III (4) <i>or</i> MATH 350 Mathematical Software (4)	
2. Complete two tracks from the following four subject areas	16
A track consists of two paired courses representing depth of study with a particular focus. Each track chosen must belong to a different subject area A-D.	
A. MATH 341 <i>and</i> MATH 482 MATH 406 <i>and</i> MATH 482 MATH 335 <i>and</i> MATH 437	
B. MATH 413 <i>and</i> MATH 414 MATH 408 <i>and</i> MATH 409 MATH 408 <i>and</i> MATH 413	
C. MATH 440 <i>and</i> MATH 441 MATH 304 <i>and</i> MATH 404 MATH 416 <i>and</i> MATH 417 MATH 442 <i>and</i> MATH 443	
D. MATH 304 <i>and</i> MATH 418 MATH 344 <i>and</i> MATH 416 MATH 451 <i>and</i> MATH 452 MATH 431 <i>and</i> MATH 432	
3. Complete 12 additional units from the following courses	12
CSC 349, 361 IME 301 MATH 304, 335, 341, 344, 404, 406, 408, 409, 413, 414, 416, 417, 418, 419, 431, 432, 437, 440, 441, 442, 443, 451, 452, 470, 482 PHYS 301, 302, 323, 405, 408 STAT 302, 325, 425, 426, 427	
4. Advanced Work must include at least two of the following courses:	8
MATH 341, 344, 413, 414, 406, 440, 441, 482	

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MATHEMATICS TEACHING CONCENTRATION

MATH 300 Technology in Mathematics Education....	4
MATH 341 Theory of Numbers.....	4
MATH 419 Intro to the History of Mathematics.....	4
MATH 423 Advanced Mathematics for Teaching	4
MATH 442 Euclidean Geometry	4
MATH 443 Modern Geometries	4
MATH 482 Abstract Algebra II	4
SCM 300 Early Field Experience, Science/Math	2
Select 4 units from the following:	4
IME 301	
MATH 304, 335, 344, 406, 408, 413, 416, 417, 431, 437, 440, 451, 470	
PHYS 301, 302, 323, 405	
STAT 425	

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