

QTS Conversion: Report from the Mathematics Education Working Group

On Quarters	Semester Plan	Comments
MTH 143, 243, 244 (12 qtr cr hrs) 8-9 sections of ea per year	Two 4 cr semester courses (8 sem cr hrs)	2008-09 enrolled 225, 180, 155 Required of Early and Middle Childhood Ed majors (a CEHS program)
MTH 343, 344, 345 MTH 348, 446, STT 342 (24 qtr cr hrs) Three sections of ea per year plus every other summer	Under discussion: four 4 cr semester courses (16 sem cr hrs) OR two 4-cr and three 3-cr (17 sem cr hrs)	2008-09 enrolled 50-70/course Required of Middle Childhood Ed majors (a CEHS program) Math Education concentration select two (an M&S program)

Math Education Concentration (Under Discussion)		
On Quarters	Semester Draft	Comments
<i>General Education (62-66 qtr hr)</i>	<i>General Education</i>	
<i>Dept Requirements (57-59 qtr hr)</i>	<i>Dept Requirements</i>	
- MTH 231 Calc III (5 qtr cr)	Calc for 3 semesters (12 sem hr)	
- MTH 232 Calc IV (5 qtr cr)		
- MTH 255 Linear Alg (3 qtr cr)	Linear Alg (3 sem hrs)	
- MTH 280 Intro Proof (3 qtr cr)	Intro Proof (3 sem hrs)	
- MTH 355 Adv Lin Alg (3 qtr cr)		
- MTH 383 Number Th (3 qtr cr)		
- MTH 431 Real Var I (3 qtr cr)	Real Analysis (3 sem hrs)	
- MTH 432 Real Var II (3 qtr cr)		
- MTH 440 Hist of Mth (3 qtr cr)	History of Math (3 sem hrs)	
- MTH 451 Mod Alg I (3 qtr cr)	Intro to Mod Alg (3 sem hrs)	
- MTH 457 Combin (3 qtr cr)	Discrete Math (3 sem hrs)	
- MTH 471 Geometry (3 qtr cr)	Foundatns of Geom (3 sem hrs)	
- MTH 491 Seminar (3 qtr cr)	Math Ed capstone (3 sem hrs)	
- STT 360 Appl Stats I (4 qtr cr)	Statistics I (3 sem hrs)	
- STT 361 Appl Stats II (4 qtr cr)	Statistics II (3 sem hrs)	
- Choose two from among:		
MTH 233 Diff Eq (5 qtr cr)	Diff Eqns (3 or 4 sem cr hrs)	
MTH 306 Modeling (3 qtr cr)	Math Modeling (3 sem cr hrs)	
MTH 332 Complx Var (3 qtr cr)		
MTH 433 Real Var III (3 qtr cr)		
MTH 452 Mod Alg II (3 qtr cr)		
MTH 458 Appl Gr Th (3 qtr cr)		
<i>Related Course Reqs (35 cr hr)</i>	<i>Related Course Reqs</i>	
- CS 141 (4 qtr cr)	Engineering 101 (4 sem hrs)	
- CS 142 or 240 (4 qtr cr)	EDT Technology (3 sem hrs)	
- CS 206 (4 qtr cr)		
- ED 301 + 221 (6 qtr cr)	ED Class #1 (3 or 4 sem hrs)	
- ED 303 + 223 (6 qtr cr)	ED Class #2 (3 or 4 sem hrs)	
- EDS 333 (3 qtr cr hr)	ED Class #3 (3 or 4 sem hrs)	
- Choose two from among:		
MTH 344, 345, 348, 446, STT 342 (2 @ 4 qtr cr hr ea)	Geom for Mid Sch Tchrs (3 or 4 sem hrs)	
<i>General Electives (23-29 qtr cr)</i>		

9/18/09