

MONMOUTH UNIVERSITY
Office of Registration & Records
Sequence Chart
2008-2009

MA07EDS08GE08

**Academic Program: B.S. in Mathematics and Education with Endorsement in
 Secondary Education in Mathematics**

Semester 1

COURSE	TITLE	CREDITS
EN101	College English I	3
HS101	Western Civ. I	3
MA120	Intro. Math Reasoning	4
MA125	Calc. w/ Anal Geom I	4
PY103	Intro Psychology	3
MA LVL1	Gateway Exam 1	0
LC100	Freshman Seminar	1
TOTAL		18

Semester 2

COURSE	TITLE	CREDITS
EN102	College English II	3
HS102	Western Civ 2	3
MA126	Calc. w/ Anal Geom II	4
ED201	Educational Psych	3
ED204	Adolescent Psychology	3
WP001	Writing Proficiency Exam	0
MA LVL2	Gateway Exam 2	0
TOTAL		16

Semester 3

COURSE	TITLE	CREDITS
ED250	Found Tchg & Learning	3
*MA131L	Math Lab I	1
CE111/111L or PH211/211L	Gen Chem I & Lab OR Gen Physcs w/Calc & L	4-5
IT102	Info Tech for Scientists	3
MA225	Calculus III	4
MA LVL3	Gateway Exam 3	0
TOTAL		15-16

Semester 4

COURSE	TITLE	CREDITS
*MA132L	Math Lab II	1
ED319	Content Literacy	3
Aesthetics	AR/MU/TH/DA 101	3
MA211	Differential Equations	3
MA221	Linear Algebra	3
ED320	Tchg Child Diverse Needs	3
TOTAL		16

Semester 5

COURSE	TITLE	CREDITS
ED365 or ED375 (Term A)	Teaching Secondary Math I or Sec. Teaching. Strat I	3
EN201	Literature I	3
ED366 or ED376 (Term B)	Teching Sec Math II or Sec Teaching Strat II	3
MA314	Number Theory	3
*MA133L	Math Lab III	1
MA319	Prob & Stats	3
WT001*	Writing Intensive Course in Mathematics	0
WT001*	Writing Intensive Course in Education	0
TOTAL		16

Semester 6

COURSE	TITLE	CREDITS
EN202	Literature 2	3
CE112/112L OR PH212/212L	Gen Chem II & Lab OR Gen Physcs II w/Calc & L	4-5
***	Social Science Req.	3
MA410	Modern Algebra	3
MA320	Prob & Statistics II	3
Elective		1
WT001*	Writing Intensive Course in Mathematics	0
WT001*	Writing Intensive Course in Education	0
TOTAL		17-18

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Semester 7

COURSE	TITLE	CREDITS
MA415	Real Analysis	3
*	Cross-Cultural Req.	3
Elective	Liberal Arts, Science and Math	3-6
MA411	Abstract Algebra	3
PRxxx	Perspectives	3
ED-PRAXIS	Education Praxis II	0
TOTAL		18

Semester 8

COURSE	TITLE	CREDITS
MA317 or MA413 or MA419	Geometry or Complex Analysis or Intro to Math Modeling	3
ED416 or ED417	Student Teaching or Supervised Teaching	8
ED416s or ED417s	Seminar in Stud. Tch. Or Seminar in Superv Tch.	1
TOTAL		12

TOTAL CREDITS: 128-131

*Students may take CS175 for 4 credits instead of MA131L-MA133L (1 credit each).

**See WEBadvisor "Sections Offered by Term" for complete listing of courses with type:

WT: Writing Intensive
CC: Cross Cultural

***Social Sciences: See curriculum chart for choices.