

**MONMOUTH UNIVERSITY**  
**Office of Registration & Records**  
**Sequence Chart**  
**2009-2010**

**MA07EDS09GE09**

<b>Academic Program: B.S. in Mathematics and Education with Endorsement in Secondary Education in Mathematics</b>
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**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
<b>TOTAL</b>		<b>18</b>

**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
Aesthetics	AR/MU/TH/DA101	3
MA LVL2	Gateway Exam 2	0
<b>TOTAL</b>		<b>16</b>

**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 Phsics w/Calc & L	4-5
IT102	Info Tech for Scientists	3
MA225	Calculus III	4
MA LVL3	Gateway Exam 3	0
<b>TOTAL</b>		<b>15-16</b>

**Semester 4**

COURSE	TITLE	CREDITS
*MA132L	Math Lab II	1
ED319	Content Literacy	3
EDL206	AR/MU/TH/DA 101	3
MA211	Differential Equations	3
MA221	Linear Algebra	3
ED320	Tchg Stud. w/Div. Needs	3
WT001*	Two Writ. Int. Courses in Ed.	0
<b>TOTAL</b>		<b>16</b>

**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
<b>TOTAL</b>		<b>16</b>

**Semester 6**

COURSE	TITLE	CREDITS
EN202	Literature 2	3
CE112/112L OR PH212/212L	Gen Chem II & Lab OR Gen Phsics 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
ED-PRAXIS	Education Praxis II	0
<b>TOTAL</b>		<b>17-18</b>

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**Semester 7**

COURSE	TITLE	CREDITS
MA415	Real Analysis	3
*	Cross-Cultural Requirement	3
Elective		3-6
MA411	Abstract Algebra	3
PRxxx	Perspectives	3
	<b>TOTAL</b>	<b>18</b>

**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
	<b>TOTAL</b>	<b>12</b>

**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.