

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

**MA07.GE08**

**Academic Program: B.S. in Mathematics**

**Semester 1**

COURSE	TITLE	CREDITS
EN101	College English I	3
HS101	Western Civilization I	3
MA125	Calculus I	4
MA120	Intro. To Math Reasoning	4
IT102	Info.Tech. For Scientists	3
MA LVL1	Gateway Exam 1	0
	<b>TOTAL</b>	<b>17</b>

**Semester 2**

COURSE	TITLE	CREDITS
EN102	College English II	3
HS102	Western Civilization II	3
MA126	Calculus II	4
Aesthetics	AR/MU/TH/DA101	3
WP001	Writing Proficiency Exam	0
***	Social Science Requirement	3
MA LVL2	Gateway Exam 2	0
	<b>TOTAL</b>	<b>16</b>

**Semester 3**

COURSE	TITLE	CREDITS
MA225	Calculus with Anal. Geom. III	4
MA221	Linear Algebra	3
CE111/111L or PH211/211L	Gen. Chemisry I & Lab Gen. Physics with Calc.I & L	4-5
HU201	Critical Discourse	3
*MA131L	Mathematics Laboratory I	1
MA LVL3	Gateway Exam 3	0
	<b>TOTAL</b>	<b>15-16</b>

**Semester 4**

COURSE	TITLE	CREDITS
MA211	Differential Equations	3
EN201	Literature I	3
CE112/112L or PH212/212L	Gen. Chemisry II & Lab Gen. Physics with Calc.II & L	4-5
***	Social Science Requirement	3
*MA132L	Mathematics Laboratory II	1
	<b>TOTAL</b>	<b>14-15</b>

**Semester 5**

COURSE	TITLE	CREDITS
MA314	Number Theory	3
MA319	Probabiliy & Stats I	3
Elective		6
**	Cross-Cultural Requirement	3
WT001*	Writing Intensive Course in Mathematics	0
EN202	Literature II	3
	<b>TOTAL</b>	<b>18</b>

**Semester 6**

COURSE	TITLE	CREDITS
MA320	Probability & Stats II	3
MA410	Modern Algebra	3
Elective		6
**	Cross-Cultural Requirement	3
*MA133L	Math Laboratory III	1
	<b>TOTAL</b>	<b>16</b>

**Semester 7**

COURSE	TITLE	CREDITS
PRxxx	Perspectives Course	3
MA317	Geometry	3
Elective		9
WT001*	Writing Intensive Course in Mathematics	0
MA415	Real Analysis	3
	<b>TOTAL</b>	<b>18</b>

**Semester 8**

COURSE	TITLE	CREDITS
Electives		8-11
MA411/ 413/or 419	Abs. Algebra, Complex Anal. Or Intro. To Math Modeling	3
EX001*	Experiential Education	0
	<b>TOTAL</b>	<b>11-14</b>

**TOTAL CREDITS 129**

\*Student may take CS175 for four credits and decrease one elective credit.

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

CC: Cross-Cultural WT: Writing Intensive EX: Experiential Education

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