

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

**BY.MC06.GE08**

**Academic Program: B.S. in Biology with a Concentration in Molecular Cell Physiology**

**Semester 1**

COURSE	TITLE	CREDITS
EN101	College English I	3
CE111	Gen. Chemistry I	3
CE111L	Gen. Chem. I Lab	1
BY110	Principles of Biology	4
MA115 or MA116	Intro to Math Modeling Calculus for Biology	3
IT102	Information Technology	3
LC100	Freshman Seminar	1
	<b>TOTAL</b>	<b>18</b>

**Semester 2**

COURSE	TITLE	CREDITS
EN102	College English II	3
CE112	Gen. Chemistry II	3
CE112L	Gen. Chem. II Lab	1
**	Social Sciences Requirement	3
MA151	Statistics	3
Aesthetics	AR/MU/TH/DA101	3
WP001	Writing Proficiency Exam	0
	<b>TOTAL</b>	<b>16</b>

**Semester 3**

COURSE	TITLE	CREDITS
HS101	Western Civilization I	3
CE241	Organic Chemistry I	3
CE241L	Organic Chem. I Lab	2
BY213	Vascular Plants	3
BY111	Anatomy & Physiology I	4
	<b>TOTAL</b>	<b>15</b>

**Semester 4**

COURSE	TITLE	CREDITS
HS102	Western Civilization II	3
CE242	Organic Chemistry II	3
BY112	Anatomy & Physiology II	4
HU201	Critical Discourse	3
Elective		3
	<b>TOTAL</b>	<b>16</b>

**Semester 5**

COURSE	TITLE	CREDITS
BY323	General Microbiology	4
BY310	Biochemistry	4
PH105	Physics for Life Sci. I	3
PH105L	Phys. For Life Sci. Lab I	1
EN201	Literature I	3
*	Cross-Cultural Requirement	3
WT001*	Writing Intensive Course in Biology	0
	<b>TOTAL</b>	<b>18</b>

**Semester 6**

COURSE	TITLE	CREDITS
Elective		3
BY370	Cell Biology	3
BY375L	Molecular&Cell Bio Lab	2
PH106	Physics for Life Sci. II	3
PH106L	Phys. For Life Sci. Lab II	1
EN202	Literature II	3
WT001*	Writing Intensive Course in Biology	0
	<b>TOTAL</b>	<b>15</b>

**Semester 7**

COURSE	TITLE	CREDITS
BY423	Genetics	4
**	Social Sciences Requirement	3
*	Cross-Cultural Requirement	3
Elective		3
Byxxx	MCP Research/Internship/Co- op/Practicum	2-3
	<b>TOTAL</b>	<b>15-16</b>

**Semester 8**

COURSE	TITLE	CREDITS
BY410	Molecular Biology	3
PRxxx	Perspectives Course	3
BY495	Senior Sem and Portfolio	1
BY425	Princ. of Developmental BY	4
EX001*	Experiential Education	0
xxx	MCP Elective	3-4
	<b>TOTAL</b>	<b>14-15</b>

**TOTAL CREDITS 128**

\*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.