

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

BY.MC09.GE09

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	Intro to Cell & Molecular Bio.	4
MA115 or MA116	Intro to Math Modeling Calculus for Biology	3
LC100	Freshman Seminar	1
	TOTAL	15

Semester 2

COURSE	TITLE	CREDITS
EN102	College English II	3
CE112	Gen. Chemistry II	3
CE112L	Gen. Chem. II Lab	1
IT102	Information Technology	3
BY109	Intro to Biodiversity and Evolution	4
Aesthetics	AR/MU/TH/DA101	3
	TOTAL	17

Semester 3

COURSE	TITLE	CREDITS
HS101	Western Civilization I	3
CE241	Organic Chemistry I	3
CE241L	Organic Chem. I Lab	2
BY111	Anatomy & Physiology I	4
BY223	General Microbiology	4
	TOTAL	16

Semester 4

COURSE	TITLE	CREDITS
HS102	Western Civilization II	3
CE242	Organic Chemistry II	3
BY112	Anatomy & Physiology II	4
HU201	Critical Discourse	3
MA151	Statistics	3
	TOTAL	16

Semester 5

COURSE	TITLE	CREDITS
**	Social Science Requirement	3
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
	TOTAL	17

Semester 6

COURSE	TITLE	CREDITS
Electives		5
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
	TOTAL	17

Semester 7

COURSE	TITLE	CREDITS
BY423	Genetics	4
**	Social Sciences Requirement	3
*	Cross-Cultural Requirement	3
Elective		3
BY499	MCP Research	3
	TOTAL	16

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
	TOTAL	14

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.