

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

**BY09EDS09GE09**

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

**Semester 1**

COURSE	TITLE	CREDITS
EN101	College English I	3
CE111 or CE111L	Gen. Chem I and Lab	4
PY103	Intro to Psychology	3
BY110	Intro Cell Molec Bio	4
MA115	Math Models in Biology	3
	<b>TOTAL</b>	<b>17</b>

**Semester 2**

COURSE	TITLE	CREDITS
EN102	College English II	3
CE112 or CE112L	Gen Chem II & Lab	4
IT102	Info Tech for Scientists	3
ED201	Educational Psychology	3
BY109	Intro Biodiversity & Evol.	4
	<b>TOTAL</b>	<b>17</b>

**Semester 3**

COURSE	TITLE	CREDITS
HS101	Western Civ. I	3
CE241 or CE241L	Organic Chem I & Lab	5
ED250	Found Tchg. & Learn.	3
BY203 or BY213	Invertebrate Zoology or Biology of Vasc. Plants	3
EDL206	Child and Adolesc. Develop	3
	<b>TOTAL</b>	<b>17</b>

**Semester 4**

COURSE	TITLE	CREDITS
HS102	Western Civ. II	3
ED319	Content Literacy	3
ED319N	NCATE Assessment	0
CE 242	Organic Chem II	3
BY214 or BY204	Botany or Vertebrate Zoology	3
MA151	Statistics w/ Applications	3
ED320	Teach. Stud. w/Div. Needs	3
WT001*	2 Writing Inten. Courses in Education	0
	<b>TOTAL</b>	<b>18</b>

**Semester 5**

COURSE	TITLE	CREDITS
EN201	Literature I	3
ED369 or ED375 (Term A)	Meth Teach Sec Science I or Sec Teach Meth I (Term A)	3
BY310	Biochemistry & Lab	4
ED370 or ED376 (Term B)	Meth Teach Sec Science II or Sec Teach Meth II (Term B)	3
PH105 and PH105L	Physics for Life Sci. and Lab	4
WT001*	Writing Intensive Course in Biology	0
	<b>TOTAL</b>	<b>17</b>

**Semester 6**

COURSE	TITLE	CREDITS
EN202	Literature II	3
BY370	Cell Biology	3
Aesthetics	AR/MU/TH/DA101	3
PH106 and PH106L	Physics for Life Sci. and Lab	4
BY223	General Microbiology	4
	<b>TOTAL</b>	<b>17</b>

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**Semester 7**

COURSE	TITLE	CREDITS
EN202	Literature II	3
BYxxx	Biology Elective	4
BY495	Senior Seminar	1
BY423	Genetics	4
*	Cross Cultural	3
ED-PRAXIS	Education Praxis II	0
<b>TOTAL</b>		<b>15</b>

**Semester 8**

COURSE	TITLE	CREDITS
BY375L	Molec Cell Lab	2
**	Social Science Req.	3
PRxxx	Perspectives	3
BY425	Prin. Of Dev. Biology	4
BYxxx	Biology Elective	4
WT001*	Writ. Int. Course in Bio.	0
<b>TOTAL</b>		<b>16</b>

**Semester 9**

COURSE	TITLE	CREDITS
ED416 or ED417	Student Teaching or Supervised Teaching	8
ED416s or ED417s	Seminar in Stud. Teach. Or Seminar in Supervised Tch.	1
<b>TOTAL</b>		<b>9</b>

**TOTAL CREDITS      143**

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

CC: Cross-Cultural  
WT: Writing Intensive

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

**NOTE:** The opportunity to finish this program within a shorter time period is possible. Consult with your advisor.