

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

**BY09EDE09GE09**

<b>Academic Program: B.S. in Biology and Education with Endorsement in Elementary Education</b>
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**Semester 1**

COURSE	TITLE	CREDITS
EN101	College English I	3
CE111 and CE111L	General Chem I and General Chem 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 and CE112L	General Chem II and General Chem Lab	4
BY109	Intro to Biodiversity & Evol.	4
IT102	Info Tech for Scientists	3
PY201	Educational Psychology	3
<b>TOTAL</b>		<b>17</b>

**Semester 3**

COURSE	TITLE	CREDITS
HS101	Western Civ. I	3
CE241 and CE241L	Organic Chem & Lab I	5
ED250	Found Tchg & Learning	3
BY203 or BY204	Invertebrate Zoology or Vertebrate Zoology	3
PY206	Child & Adoles. Develop.	3
<b>TOTAL</b>		<b>17</b>

**Semester 4**

COURSE	TITLE	CREDITS
HS102	Western Civ. II	3
CE242	Organic Chem II	3
EDL326	Lit Inst K-5, Ed Set I	3
BY213 or BY214	Biology of Vasc. Plants or Botany	3
MA151	Statistics w/ Applications	3
ED320	Teach. Stud. w/Div. Needs	3
WT001*	Writ. Int. Course in Ed.	0
<b>TOTAL</b>		<b>18</b>

**Semester 5**

COURSE	TITLE	CREDITS
EDL327	Lit Inst K-5 Ed Set II	3
EDL327N	NCATE Assessment	0
EN201	Literature I	3
BY223	General Microbiology	4
PH105 and PH105L	Physics for Life Sci. and Lab	4
BY310	Biochemistry & Lab	4
WT001*	Writing Intensive Course in Biology	0
WT001*	Writing Intensive Course in Education	0
<b>TOTAL</b>		<b>18</b>

**Semester 6**

COURSE	TITLE	CREDITS
EN202	Literature 2	3
*	Cross Cultural Requirement	3
PH106 and PH106L	Physics for Life Sci. and Lab	4
BY375L	Molecular Cell Bio. Lab	2
BY370	Cell Biology	3
WT001*	Writing Intensive Course in Biology	0
<b>TOTAL</b>		<b>15</b>

**Semester 7**

COURSE	TITLE	CREDITS
ED361	Teach. Elem. Science	3
ED361N	NCATE Assessment	0
ED360	Teach. Elem. Math	3
ED360N	NCATE Assessment	0
Aesthetics	AR/MU/TH/DA101	3
BYxxx	Biology Elective	3
BY423	Genetics	4
ED-PRAXIS	Education Praxis II	0
<b>TOTAL</b>		<b>16</b>

**Semester 8**

COURSE	TITLE	CREDITS
BYxxx	Biology Electives	5
BY495	Senior Seminar	1
BY425	Princ. Of Dev. Biology	4
**	Social Science Rqmt.	3
ED362	Teach. Elem. Soc. Studies	3
ED362N	NCATE Assessment	0
<b>TOTAL</b>		<b>16</b>

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**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	1
PRxxx	Perspectives Requirement	3
	<b>TOTAL</b>	<b>12</b>

**TOTAL CREDITS: 146**

\*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.  
Please consult with your advisor