

**MONMOUTH UNIVERSITY**

Office of the Registrar

2015\*2016 Sequence Chart

**BY12EDE14GE15**

**B.S. IN BIOLOGY AND EDUCATION WITH AN  
ENDORSEMENT IN ELEMENTARY EDUCATION**

**SEMESTER 1**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLL COMP I	3.0
MA115 or 116 or 117	YES		SEE CURRICULUM CHART	3.0
CE111/ CE111L	YES	NS	GEN. CHEMISTRY I & LAB	4.0
FY101	YES		FIRST YEAR SEMINAR	3.0
BY110	YES		INTRO. TO BIO. CELL MOLEC.	4.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 2**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN102	YES		COLLEGE COMPOSITION 2	3.0
EDL201			EDUCATIONAL PSYCHOLOGY	3.0
CE112/ CE112L	YES	NS	GEN. CHEMISTRY II & LAB	4.0
BY109	YES		INTRO. BIODIVERSITY EVOLU.	4.0
IT102	YES	TL	INFO. TECH. FOR SCIENTISTS	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 3**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	SS.SV	GEN*ED SOCIAL SCIENCE	3.0
ED250			FOUND OF TEACH. & LEARN.	3.0
CE241/ CE241L			SEE CURRICULUM CHART OR DEGREE AUDIT	5.0
BY205			ZOOLOGY	3.0
BY223			GENERAL MICROBIOLOGY	4.0
<b>SEMESTER CREDITS</b>				<b>18.0</b>

**SEMESTER 4**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
ED320	YES	RD&WT	TEACH. STUD. WITH DIV. NEEDS	3.0
xxx	YES	HS.SV or SS.SV	GEN*ED HIST. PERSPECT. or SOCIAL SCIENCE	3.0
BY213 or BY214			SEE CURRICULUM CHART or DEGREE AUDIT	3.0
CE242			ORGANIC CHEMISTRY II	3.0
EDL326			LIT. IN EDUC. SETTINGS	3.0
EDL206			CHILD & ADOLESCENT DEVELOP.	3.0
<b>SEMESTER CREDITS</b>				<b>18.0</b>

SEE CURRICULUM CHART or DEGREE AUDIT FOR COMPLETE TITLE OF ALL COURSES. BE CERTAIN TO CONSULT WITH YOUR ADVISOR.

SEE WEBadvisor "SECTIONS OFFERED BY TERM" FOR COMPLETE LISTING OF COURSES WITH ASSOCIATED COURSE\*TYPES.

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**SEMESTER 5**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
BY310			BIOCHEMISTRY & LABORATORY	4.0
PH105/PH105L			PHYSICS FOR LIFE SCI. I & LAB	4.0
ED 361			TEACH. ELEM. SCIENCE	3.0
EDL327	YES	WT	LIT. INSTR. K-6, EDUC. SETT., II	3.0
BYxxx			BIOLOGY ELECTIVE (SEE CURR. CHART)	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 7**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
HSxxx	YES	HS.SV	GEN*ED HISTORICAL PERSPEC.	3.0
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
BYxxx			BIOLOGY ELECTIVE (SEE CURR. CHART)	3.0
BY423			GENETICS	4.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 9**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
ED416	YES	EX	STUDENT TEACHING	8.0
ED416S			SEMINAR	1.0
xxx	YES	ISP	GEN*ED INTERDISCIP. PERSPEC.	3.0
<b>SEMESTER CREDITS</b>				<b>12.0</b>

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**SEMESTER 6**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
ED360			TEACH. ELEM. MATH	3.0
PH106/PH106L			PHYSICS FOR LIFE SCI. II & LAB	4.0
BY370			CELL BIOLOGY	3.0
MA151	YES		STATISTICS	3.0
ED362			TEACH. ELEM. SOC. STUDIES	3.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 8**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
ENxxx	YES	LIT	GEN*ED LITERATURE	3.0
BY495	YES	RD	SENIOR SEMINAR	1.0
BY425			PRINCIPLES OF DEVELOP. BIO.	4.0
BYxxx			BIOLOGY ELECTIVE (SEE CURR. CHART)	2.0
AR,MU,DA or TH	YES	AT	GEN*ED AESTHETICS	3.0
BY375L	YES	RD	MOLECULAR & CELL BIO. LAB	3.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>