

**MONMOUTH UNIVERSITY**

Office of the Registrar

2018\*2019 Sequence Chart

**BY.EDS.BS.18**

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

**SEMESTER 1**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLLEGE 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.
ED250			PHILOSOPHICAL & PSYCHOLOGICAL FOUND. OF ED.	3.0
EN102	YES		COLLEGE COMPOSITION II	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 SCI REQ	3.0
ED320	YES	RD&WT	TEACH. STUD. WITH DIV. NEEDS	3.0
CE241/ CE241L			SEE CURRICULUM CHART OR DEGREE AUDIT	5.0
BY223			GENERAL MICROBIOLOGY	4.0
BY205			ZOOLOGY	3.0
<b>SEMESTER CREDITS</b>				<b>18.0</b>

**SEMESTER 4**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
EDS330	YES	WT	FOUND. OF SPEC. ED. DEVELOP. ACROSS LIFESPAN	3.0
BY213 or BY214			SEE CURRICULUM CHART or DEGREE AUDIT	3.0
CE242			ORGANIC CHEMISTRY II	3.0
xxx	YES	HS.SV or SS.SV	GEN*ED HIST. PERSPECT. or SOCIAL SCIENCE	3.0
<b>SEMESTER CREDITS</b>				<b>15.0</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	4.0
PH105/PH105L			PHYSICS FOR LIFE SCI. I & LAB	4.0
ENxxx	YES		GEN*ED LITERATURE	3.0
EDS336			CLASSROOM MGMT	3.0
BY216			INTRO TO GENETICS	4.0
<b>SEMESTER CREDITS</b>				<b>18.0</b>

**SEMESTER 7**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
ED319	YES	WT/EX	CONTENT LITERACY	3.0
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
BYxxx			BIOLOGY ELECTIVE	5.0
BYxxx			BIOLOGY ELECTIVE	3.0
AR,MU,DA or TH	YES	AT	GEN*ED AESTHETICS	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 9**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
ED416	YES	EX	CLINICAL PRACTICE	8.0
ED416S			CLINICAL PRACTICE 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.
PH106/PH106L			PHYSICS FOR LIFE SCI. II & LAB	4.0
BY370			CELL BIOLOGY	3.0
HSxxx	YES	HS.SV	GEN*ED HISTORICAL PERSPEC.	3.0
MA151	YES		STATISTICS	3.0
<b>SEMESTER CREDITS</b>				<b>13.0</b>

**SEMESTER 8**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
BY375L	YES	RD	MOLECULAR & CELL BIO. LAB	3.0
ED369 (TERM A)			METHODS OF TEACH SEC. SCI. I	3.0
BY425			PRINCIPLES OF DEVELOP. BIO.	4.0
BY495	YES	RD	SENIOR SEMINAR	1.0
ED370 (TERM B)			METHODS OF TEACH SEC. SCI. II	3.0
<b>SEMESTER CREDITS</b>				<b>14.0</b>