

**MONMOUTH UNIVERSITY**

Office of the Registrar

2019\*2020 Sequence Chart

**BY.MC.BS.19**

**SEMESTER 1**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLLEGE COMPOSITION 1	3.0
CE111 & CE111L			GENERAL CHEMISTRY I & LAB	4.0
BY110	YES	NS	INTRO TO CELL & MOLEC. BIO (GEN*ED NATURAL SCIENCE)	4.0
MA115 or MA116 or MA125	YES		SEE CURRICULUM CHART (GEN*ED MATH)	3.0
FY101	YES		FIRST YEAR SEMINAR	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 3**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
BY223			GENERAL MICROBIOLOGY	4.0
CE241& CE241L			ORGANIC CHEMISTRY I & LAB	5.0
BY211			PHYSIOLOGY WITH ANATOMY I	4.0
xxx	YES	SS.SV	GEN*ED SOCIAL SCIENCE	3.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**B.S. IN BIOLOGY WITH A CONCENTRATION IN MOLECULAR CELL PHYSIOLOGY**

**SEMESTER 2**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN102	YES		COLLEGE COMPOSITION 2	3.0
CE112 & CE112L			GENERAL CHEMISTRY II & LAB	4.0
BY109	YES	NS	INTRO. TO BIODIVERSITY & EVOL. (GEN*ED NATURAL SCIENCE)	4.0
IT102	YES	TL	INFORM. TECH. FOR SCIENTISTS (GEN*ED TECH. LIT.)	3.0
AR,MU, DA or TH	YES	AT	GEN*ED AESTHETICS	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 4**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
BY216			INTRO TO GENETICS	4.0
MA151			STATISTICS	3.0
CE242			ORGANIC CHEMISTRY II	3.0
BY212			PHYSIOLOGY WITH ANATOMY II	4.0
xxx	YES	SS.SV or HS.SV	GEN*ED HISTORICAL PERSP. Or SOCIAL SCIENCE	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</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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**B.S. IN BIOLOGY WITH A CONCENTRATION IN  
MOLECULAR CELL PHYSIOLOGY**

**SEMESTER 5**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
BY310	YES	WT	BIOCHEMISTRY AND LAB (GEN*ED WRITING INTENSIVE)	4.0
PH105 & PH105L			PHYSICS FOR LIFE SCI. I & LAB	4.0
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
xxx			FREE ELECTIVE	3.0
ENxxx	YES	LIT	GEN*ED LITERATURE	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 6**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
BY370			CELL BIOLOGY	3.0
BY375L	YES	WT & RD	MOLECULAR CELL LAB (GEN*ED WRITING INTENSIVE & REASONED ORAL DISCOURSE)	3.0
PH106 & PH106L			PHYSICS FOR LIFE SCI. & LAB	4.0
xxx			FREE ELECTIVES	2.0
<b>SEMESTER CREDITS</b>				<b>15.0</b>

**SEMESTER 7**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
HSxxx	YES	HS.SV	GEN*ED HISTORICAL PERSP.	3.0
xxx		MC	MC ELECTIVE	3.0
xxx	YES	EX	FREE ELECTIVE (GEN*ED EXPERIENTIAL ED.)	3.0
xxx			FREE ELECTIVE	3.0
<b>SEMESTER CREDITS</b>				<b>12.0</b>

**SEMESTER 8**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	ISP	GEN*ED INTERDISCIPLINARY PERSPECTIVES	3.0
BY495	YES	RD	SENIOR SEMINAR (GEN*ED REASONED ORAL DISC.)	1.0
BY410			MOLECULAR BIOLOGY	3.0
BY425			PRIN. OF DEVELOPMENTAL BIO	4.0
xxx		MC	MC ELECTIVE	3.0
xxx			FREE ELECTIVE	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>