

**MONMOUTH UNIVERSITY**

Office of the Registrar

2016\*2017 Sequence Chart

**CE.BY.BS.16**

**SEMESTER 1**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLLEGE COMPOSITION 1	3.0
CE111 & CE111L	YES	NS	GENERAL CHEMISTRY I & LAB	4.0
IT102	YES	TL	INFORM. TECH. FOR SCIENTISTS	3.0
MA125	YES		CALCULUS W/ANAL. GEOMETRY	4.0
FY101	YES		FIRST YEAR SEMINAR	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**B.S. IN CHEMISTRY AND A CONCENTRATION IN BIOCHEMISTRY**

**SEMESTER 2**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN102	YES		COLLEGE COMPOSITION 2	3.0
CE112 & CE112L	YES	NS	GENERAL CHEMISTRY II & LAB	4.0
MA126			CALCULUS W/ANAL. GEOMETRY II	4.0
BY110			INTRO. TO CELL & MOLECULAR BIO	4.0
xxx	YES	SS.SV	GEN*ED SOCIAL SCIENCE	3.0
<b>SEMESTER CREDITS</b>				<b>18.0</b>

**SEMESTER 3**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CE241 & CE241L			ORGANIC CHEMISTRY I & LAB	5.0
PH211 & PH211L			GEN. PHYS. W/CALCULUS I & LAB	5.0
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
xxx	YES	HS.SV or SS.SV	GEN*ED HISTORICAL PERSP. Or SOCIAL SCIENCE	3.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 4**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CE242 & CE242L			ORGANIC CHEMISTRY II & LAB	5.0
CE221 & CE221L			QUANTITATIVE ANALYSIS & LAB	5.0
PH212 & PH212L			GEN. PHYS. W/CALCULUS II & LAB	5.0
xxx			FREE ELECTIVES	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.

# MONMOUTH UNIVERSITY

Office of the Registrar

2016\*2017 Sequence Chart

## CE.BY.BS.16

SEMESTER 5				
COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CE331	YES	WT	BIOCHEMISTRY I	3.0
xxx			FREE ELECTIVES or CE401 & CE401L for ACS CERTIFICATION	4.0
CE341 & CE341L			PHYS CHEM I & LAB	4.0
HS.SV	YES		GEN*ED HIST. PERSPECTIVES	3.0
AR,MU DA or TH	YES	AT	GEN*ED AESTHETICS & CREATIVITY	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

SEMESTER 7				
COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CE410	YES	RD	SEMINAR (GEN*ED REASONED ORAL DISC.)	1.0
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
BY223 or BY423			GENERAL MICROBIOLOGY or GENETICS	4.0
CE322 & CE322L	YES	WT	INSTRUMENTAL ANALYSIS & LAB	4.0
xxx			FREE ELECTIVE	3.0
<b>SEMESTER CREDITS</b>				<b>15.0</b>

## B.S. IN CHEMISTRY AND A CONCENTRATION IN BIOCHEMISTRY

SEMESTER 6				
COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CE342 & CE342L			PHYS CHEM II & LAB	4.0
CE332			BIOCHEMISTRY II	3.0
CE311			CHEMICAL LITERATURE	1.0
ENxxxx	YES	LIT	GEN*ED LITERATURE	3.0
xxx			FREE ELECTIVES	3.0
<b>SEMESTER CREDITS</b>				<b>14.0</b>

SEMESTER 8				
COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
BY410			MOLECULAR BIOLOGY	3.0
CE452			ADV. ORGANIC CHEMISTRY	3.0
xxx	YES	ISP	GEN*ED INTERDISC. PERSPECT.	3.0
xxx			FREE ELECTIVES	4.0
<b>SEMESTER CREDITS</b>				<b>13.0</b>