

**MONMOUTH UNIVERSITY**

Office of Registration and Records

**2013\*2014 Sequence Chart**

**CE.BY12.GE13**

**SEMESTER 1**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLLEGE COMPOSITION 1	3.0
CE111 & CE111L	YES		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			GENERAL CHEMISTRY II & LAB	4.0
MA126			CALCULUS W/ANAL. GEOMETRY II	4.0
BY110			INTRO. TO CELL & MOLECULAR BIO	4.0
<b>SEMESTER CREDITS</b>				<b>15.0</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	SS.SV	GEN*ED SOCIAL SCIENCE	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
<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.
CE310	YES	WT	BIOCHEMISTRY & LAB	4.0
xxx			FREE ELECTIVE	3.0
CE372 & CE372L			SPECTR. & QUANTUM CHEMISTRY	4.0
SS.SV	YES		GEN*ED SOCIAL SCIENCE	3.0
AR,MU DA or TH	YES		GEN*ED AESTHETICS & CREATIVITY	3.0
<b>SEMESTER CREDITS</b>				<b>14.0</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
xxx	YES	EX	FREE ELECTIVES (GEN*ED EXPERIENTIAL ED)	3.0
xxx			FREE ELECTIVES	3.0
xxx			FREE ELECTIVES or CE401 for ACS CERTIFICATION	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

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

SEMESTER 6				
COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CE371 & CE371L			BIOPHYSICAL CHEMISTRY & LAB	4.0
xxx			GEN*ED CULTURAL DIVERSITY	3.0
CE311			CHEMICAL LITERATURE	1.0
ENxxxx	YES	LIT	GEN*ED LITERATURE	3.0
CE322 & CE322L	YES	WT	INSTRUMENTAL ANALYSIS & LAB (GEN*ED WRITING INTENSIVE)	4.0
<b>SEMESTER CREDITS</b>				<b>18.0</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	3.0
xxx			FREE ELECTIVES	4.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>