

**MONMOUTH UNIVERSITY**

Office of the Registrar

2017\*2018 Sequence Chart

**CE.CP.BS.17**

**B.S. IN CHEMISTRY AND A CONCENTRATION IN CHEMICAL PHYSICS**

**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>

**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
HSxxx	YES	HS.SV	GEN*ED HIST. PERSPECTIVES	3.0
<b>SEMESTER CREDITS</b>				<b>14.0</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
MA225			CALC. W/ANAL. GEOMETRY III	4.0
xxx	YES	HS.SV or SS.SV	GEN*ED HISTORICAL PERSP. Or SOCIAL SCIENCE	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 4**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
SS*xxx	YES	SS.SV	GEN*ED SOC. SCI.	3.0
CE221 & CE221L			QUANTITATIVE ANALYSIS & LAB	5.0
PH212 & PH212L			GEN. PHYS. W/CALCULUS II & LAB	5.0
CE242 & CE242L			ORGANIC CHEMISTRY II & LAB	5.0
<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.
ENxxx	YES	LIT	GEN*ED LITERATURE	3.0
MA211			DIFFERENTIAL EQUATIONS	3.0
CE341 & CE341L			PHYS CHEM I & LAB	4.0
PH301			MODERN PHYSICS*	3.0
AR, MU, TH or DA	YES	AT	GEN*ED AESTHETICS	3.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 6**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CE342 & CE342L			PHYS CHEM II & LAB	4.0
PH302			THEORETICAL PHYSICS*	3.0
CE311			CHEMICAL LITERATURE	1.0
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
xxx			FREE ELECTIVES	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	1.0
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
xxx			FREE ELECTIVES	3.0
xxx			FREE ELECTIVES	3.0
xxx			FREE ELECTIVES	3.0
CE322 & CE322L			INSTRUMENTAL ANALYSIS & LAB	4.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 8**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx			FREE ELECTIVES	3.0
CE475			COMPUTATIONAL CHEMISTRY AND MOLECULAR MODELING**	3.0
xxx	YES	ISP	GEN*ED INTERDISC. PERSPECT.	3.0
xxx			FREE ELECTIVES	3.0
xxx			FREE ELECTIVES	3.0
<b>SEMESTER CREDITS</b>				<b>15.0</b>

\*Offered in alternative years - may be substituted for free electives in semesters 7 and 8

\*\*If offered in the fall semester, substitute for free elective in semester 7