

**MONMOUTH UNIVERSITY**

Office of the Registrar

2016\*2017 Sequence Chart

**CE.EDS.BS.16**

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

**SEMESTER 1**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLLEGE COMPOSITION 1	3.0
xxx	YES	SS.SV	GEN*ED SOC SCI REQ	3.0
CE111 & CE111L	YES	NS	GENERAL CHEMISTRY & LAB	4.0
FY101	YES		FIRST YEAR SEMINAR (SELECT "CE" SECTION)	3.0
MA125	YES		CALC. WITH ANAL. GEOM.	4.0
<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
EDL201			EDUCATIONAL PSYCHOLOGY	3.0
CE112 & CE112L	YES	NS	GEN. ED. CHEM. II & LAB	4.0
IT102	YES	TL	INFO. TECH. FOR SCIENTISTS	3.0
MA126			CALC. WITH ANAL. GEOMETRY II	4.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 3**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
AR,MU,DA or TH	YES	AT	GEN*ED AESTHETICS	3.0
ED250			FOUND OF TEACH. & LEARN.	3.0
PH211 & PH211L			GEN. PHYS. WITH CALC. I & LAB	5.0
CE241 & CE242L			ORGANIC CHEMISTRY I & LAB	5.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 4**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EDL206			CHILD AND ADOLES. DEVELOP.	3.0
CE221 & CE221L			QUANTITATIVE ANALYSIS & LAB	5.0
PH212 & PH212L			GEN. PHYS. WITH CALC. 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.
HSxxx	YES	HS.SV	GEN*ED HISTORICAL PERSPEC.	3.0
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
ED320	YES	WT&RD	TEACH. STUD. WITH DIV. NEEDS	3.0
ED319	YES	WT	CONTENT LITERACY	3.0
CE341/ CE341L	YES	WT	PHYSICAL CHEMISTRY I & LAB	4.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

#### SEMESTER 6

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
ENxxx	YES	LIT	GEN*ED LITERATURE	3.0
CE311			CHEMICAL LITERATURE	1.0
xxx			FREE ELECTIVE	3.0
xxx	YES	HS.SV or SS.SV	GEN*ED HIST. PERSPEC. Or SOCIAL SCIENCE	3.0
xxx	YES	ISP	GEN*ED INTERDIS. STUDIES	3.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

#### SEMESTER 7

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx			FREE ELECTIVE	3.0
ED369 or ED375 (TERM A)			METHODS OF TEACH. SEC. SCI. I	3.0
ED370 or ED376 (TERM B)			METHODS OF TEACH. SEC. SCI. II	3.0
CE410			SEMINAR	1.0
CE322 CE322L	YES	WT	INSTRUMENTAL ANALYSIS & LAB	4.0
CE4xx			CHEMISTRY ELECTIVE	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

#### SEMESTER 8

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
ED416	YES	EX	STUDENT TEACHING	8.0
ED416S			SEMINAR IN STUDENT TEACH.	1.0
xxx			FREE ELECTIVE	2.0
<b>SEMESTER CREDITS</b>				<b>11.0</b>