

**MONMOUTH UNIVERSITY**

Office of the Registrar

2019\*2020 Sequence Chart

**MA.BS.19**

**SEMESTER 1**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLLEGE COMPOSITION 1	3.0
HSxxx	YES	HS.SV	GEN*ED HISTORICAL PERSP.	3.0
MA120	YES		INTRO. TO MATH. REASONING	4.0
MA125			CALCULUS WITH ANALYTICAL GEOMETRY I	4.0
FY101	YES		FIRST YEAR SEMINAR	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**B.S. IN MATHEMATICS**

**SEMESTER 2**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN102	YES		COLLEGE COMPOSITION 2	3.0
xxx	YES	SS.SV	GEN*ED SOCIAL SCIENCE	3.0
MA126			CALCULUS W/ANAL. GEOMETRY II	4.0
AR,MU DA or TH	YES	AT	GEN*ED AESTHETICS	3.0
xxx			FREE ELECTIVE	3.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 3**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
CS175 & CS175L or MA237	YES	TL (not CS175 & CS175L)	INTRO TO COMP. SCI I & LAB PROG./TECH. IN MATHEMATICS	4.0
CE111& CE111L or PH211 & PH211L or BY109	YES	NS	SEE DEGREE AUDIT OR CURRICULUM CHART	4.0-5.0
MA221			LINEAR ALGEBRA	3.0
ENxxx	YES	LIT	GEN*ED LITERATURE	3.0
xxx			FREE ELECTIVE	2.0-3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 4**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MA225			GEOMETRY III	4.0
CE112& CE112L or PH212& PH212L or BY110	YES	NS	SEE DEGREE AUDIT OR CURRICULUM CHART	4.0-5.0
MA220			PROBABILITY & STATS I	3.0
HS.SV or SS.SV	YES		GEN*ED HISTORICAL PERSP. Or SOCIAL SCIENCE	3.0
xxx			FREE ELECTIVE	2.0-3.0
<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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**SEMESTER 5**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MA314, MA317 or MA318			SEE CURRICULUM CHART OR DEGREE AUDIT	3.0
MAxxx			MATH ELECTIVE	3.0
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
xxx			FREE ELECTIVE	3.0
xxx			FREE ELECTIVE	3.0
<b>SEMESTER CREDITS</b>				<b>15.0</b>

**B.S. IN MATHEMATICS**

**SEMESTER 6**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MA410 or MA411			SEE CURRICULUM CHART OR DEGREE AUDIT	3.0
MAxxx			MATH ELECTIVE	3.0
xxx	YES	GU	GEN*ED GLOBAL UNDERSTANDING	3.0
xxx			FREE ELECTIVE	3.0
xxx			FREE ELECTIVES	3.0
<b>SEMESTER CREDITS</b>				<b>15.0</b>

**SEMESTER 7**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MA415	YES	WT	REAL ANALYSIS (GEN*ED WRITING INTENSIVE)	3.0
MAxxx	YES	EX	MATH ELECTIVE (GEN*ED EXP. EDUCATION)	3.0
xxx			FREE ELECTIVES	3.0
xxx			FREE ELECTIVES	3.0
xxx			FREE ELECTIVES	3.0
<b>SEMESTER CREDITS</b>				<b>15.0</b>

**SEMESTER 8**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MAxxx			MATH ELECTIVE	3.0
xxx			FREE ELECTIVES	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>