

**MONMOUTH UNIVERSITY**

Office of the Registrar

2019\*2020 Sequence Chart

**MA.STAT.BS.19**

**BS IN MATHEMATICS WITH A CONCENTRATION IN STATISTICS**

**SEMESTER 1**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN101	YES		COLLEGE COMPOSITION 1	3.0
MA125	YES		CALCULUS I	4.0
xxx			FREE ELECTIVES	3.0
HS*xxx	YES	HS.SV	GEN*ED HISTORICAL PERSPECTIVES	3.0
FY101	YES		FIRST YEAR SEMINAR	3.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 2**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN102	YES		COLLEGE COMPOSITION 2	3.0
MA120			INTRO. MATH. REASONING	4.0
MA126			CALCULUS II	4.0
AR, MU, DA or TH	YES	AT	GEN*ED AESTHETICS	3.0
xxx	YES	SS.SV	GEN*ED SOCIAL SCIENCE	3.0
<b>SEMESTER CREDITS</b>				<b>17.0</b>

**SEMESTER 3**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MA220			PROBABILITY STATISTICS I	3.0
MA221			LINEAR ALGEBRA	4.0
LAB SCIENCE	YES	NS	SEE CURRICULUM CHART FOR CHOICES	4.0-5.0
xxx	YES	TL	GEN*ED TECH. LITERACY	3.0
xxx			FREE ELECTIVE	2.0-3.0
<b>SEMESTER CREDITS</b>				<b>16.0-18.0</b>

**SEMESTER 4**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MA320			PROBABILITY STATISTICS II	3.0
MA225			CALCULUS III	3.0
LAB SCIENCE	YES	NS	SEE CURRICULUM CHART FOR CHOICES	4.0-5.0
xxx	YES	HS.SV or SS.SV	GEN*ED HIST. PERSPECTIVE or SOCIAL SCIENCE SURVEY	3.0
xxx			FREE ELECTIVE	2.0-3.0
<b>SEMESTER CREDITS</b>				<b>15.0-17.0</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.
MA421			DESIGN OF EXPERIMENTS & ANOVA	3.0
MA311			DIFFERENTIAL EQUATIONS	3.0
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
ENxxx	YES	LIT	GEN*ED LITERATURE	3.0
xxx			FREE ELECTIVE	4.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

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**SEMESTER 6**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MA440			REGRESSION & TIME SERIES ANALYSIS	3.0
MA314, MA317 or MA318			SEE CURRICULUM CHART OR DEGREE AUDIT	3.0
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
xxx			FREE ELECTIVE	3.0
xxx			FREE ELECTIVE	3.0
<b>SEMESTER CREDITS</b>				<b>15.0</b>

**SEMESTER 7**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MA350			COMPUTATION AND STATS.	3.0
MA415	YES	WT	REAL ANALYSIS	3.0
xxx			FREE ELECTIVE	3.0
xxx			FREE ELECTIVE	3.0
xxx			FREE ELECTIVE	4.0
<b>SEMESTER CREDITS</b>				<b>16.0</b>

**SEMESTER 8**

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MA460			MULTIVARIATE & CATEGORICAL STATISTICS	3.0
MA419	YES	WT/EXED	MATHEMATICAL MODELING	3.0
xxx	YES	ISP	GEN*ED INTERDISCIPLINARY PERSPECTIVES	3.0
xxx			FREE ELECTIVES	3.0
xxx			FREE ELECTIVES	3.0
<b>SEMESTER CREDITS</b>				<b>15.0</b>