

MONMOUTH UNIVERSITY

Office of the Registrar

2019*2020 Sequence Chart

MA.EDS.BS.19

**B.S. IN MATHEMATICS 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
FY101	YES		FIRST YEAR SEMINAR	3.0
MA120	YES		INTRO. TO MATH REASONING	4.0
xxx	YES	SS.SV	GEN*ED SOCIAL SCIENCE	3.0
MA125	YES		CALC. WITH ANAL. GEOM.	4.0
SEMESTER CREDITS				17.0

SEMESTER 2

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EN102	YES		COLLEGE COMPOSITION 2	3.0
xxx			FREE ELECTIVES	2.0
ED250			PHILOSOPHICAL & PSYCHOLOGICAL FOUND. OF ED.	3.0
xxx	YES	HS.SV or SS.SV	GEN*ED HIST. PERSPEC. or SOCIAL SCIENCE	3.0
MA126			CALC. WITH ANAL. GEOMETRY II	4.0
SEMESTER CREDITS				15.0

SEMESTER 3

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
ED320	YES	RD&WT	TEACH. STUD. W/DIVERSE NEEDS	3.0
CE111/111L PH211/211L or BY109	YES	NS	SEE CURRICULUM CHART OR DEGREE AUDIT	4.0-5.0
CS175 & CS175L or MA237	YES	TL (Not CS175 & CS175L)	INTRO. TO COMP. SCI I & LAB or PROG./TECH. IN MATHEMATICS	4.0
MA221			LINEAR ALGEBRA	3.0
SEMESTER CREDITS				14.0-15.0

SEMESTER 4

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
EDS330	YES	WT	FOUND. OF SPEC. EDUCATION DEVELOP. ACROSS LIFESPAN	3.0
ENxxx	YES	LIT	GEN*ED LITERATURE	3.0
CE112/112L PH212/212L or BY110	YES	NS	SEE CURRICULUM CHART OR DEGREE AUDIT	4.0-5.0
MA225			CALCULUS III	4.0
MA220			PROBABILITY & STATS I	3.0
SEMESTER CREDITS				17.0-18.0

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.
xxx	YES	GU	GEN*ED GLOBAL UNDERSTAND.	3.0
EDS336			CLASSROOM MANAGEMETN	3.0
HSxxx	YES	HS.SV	GEN*ED HISTORICAL PERSP.	3.0
MA314	YES	RD	NUMBER THEORY	3.0
MAxxx			MATH ELECTIVE	3.0
AR,MU,DA or TH101	YES	AT	GEN*ED AESTHETICS	3.0
SEMESTER CREDITS				18.0

SEMESTER 6

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx			FREE ELECTIVES	2.0-3.0
ED319	YES	WT	CONTENT LITERACY	3.0
MA410			MODERN ALGEBRA	3.0
xxx			FREE ELECTIVE	3.0
MA317			GEOMETRY	3.0
xxx	YES	CD	GEN*ED CULTURAL DIVERSITY	3.0
SEMESTER CREDITS			17.0-18.0	

SEMESTER 7

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
xxx	YES	ISP	GEN*ED INTERDIS. STUDIES	3.0
MAxxx			MATH ELECTIVE	3.0
MA415	YES	WT	REAL ANALYSIS	3.0
ED365 (TERM A)			METHODS OF TEACH. SEC. MATH I	3.0
ED366 (TERM B)			METHODS OF TEACH. SEC. MATH II	3.0
xxx			FREE ELECTIVE	3.0
SEMESTER CREDITS				18.0

SEMESTER 8

COURSE CODE	GEN*ED REQ'MT	COURSE* TYPE	TITLE	CRS.
MA325	YES	WT	HISTORY OF MATH	3.0
ED416	YES	EX	CLINICAL PRACTICE	8.0
ED416S			CLINICAL PRACTICE SEMINAR	1.0
SEMESTER CREDITS			12.0-13.0	