

MONMOUTH UNIVERSITY

Office of the Registrar

2017*2018 Sequence Chart

MA.EDS.BS.17

**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 |
| EDL201 | | | EDUCATIONAL PSYCHOLOGY | 3.0 |
| AR,MU,DA or TH101 | YES | AT | GEN*ED AESTHETICS | 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 | | | | 16.0 |

SEMESTER 3

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|--------------------------------------|---------------|--------------|--------------------------------------|------------------|
| EDL206 | | | CHILD & ADOLESCENT DEVELOP. | 3.0 |
| ED250 | | | FOUND OF TEACH. & LEARN. | 3.0 |
| CE111/111L PH211/211L or BY109 | YES | NS | SEE CURRICULUM CHART OR DEGREE AUDIT | 4.0-5.0 |
| MA237 | YES | TL | PROG./TECH. IN MATHEMATICS | 4.0 |
| MA221 | | | LINEAR ALGEBRA | 3.0 |
| SEMESTER CREDITS | | | | 17.0-18.0 |

SEMESTER 4

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|--------------------------------------|---------------|--------------|--------------------------------------|------------------|
| ED320 | YES | RD&WT | TEACH. STUD. WITH DIV. NEEDS | 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 |
| xxx | YES | CD | GEN*ED CULTURAL DIVERSITY | 3.0 |
| HSxxx | YES | HS.SV | GEN*ED HISTORICAL PERSP. | 3.0 |
| MA314 | YES | RD | NUMBER THEORY | 3.0 |
| MAxxx | | | MATH ELECTIVE | 3.0 |
| xxx | | | FREE ELECTIVES | 2.0 |
| SEMESTER CREDITS | | | | 17.0 |

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 | | | FREE ELECTIVE | 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 |
| SEMESTER CREDITS | | | | 14.0-15.0 |

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 |