

MONMOUTH UNIVERSITY

Office of the Registrar

2015*2016 Sequence Chart

MA15EDE14GE15

**B.S. IN MATHEMATICS AND EDUCATION WITH AN
ENDORSEMENT IN ELEMENTARY 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 | | | CALC. WITH ANAL. GEOM. | 4.0 |
| | | | GATEWAY EXAM I | 0.0 |
| 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 TH | YES | AT | GEN*ED AESTHETICS | 3.0 |
| xxx | YES | HS.SV or SS.SV | GEN*ED HISTORICAL PERSPEC. or SOCIAL SCIENCE | 3.0 |
| MA126 | | | CALC. WITH ANAL. GEOMETRY II | 4.0 |
| | | | GATEWAY EXAM II | 0.0 |
| 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 |
| | | | GATEWAY EXAM III | 0.0 |
| 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 |
| EDL326 | | | LIT. IN K-6 EDUC. SETTINGS | 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 II | 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. |
|-------------------------|---------------|--------------|------------------------------|------------------|
| EDL327 | YES | WT | LIT. INST. K-6, ED. SETT. I | 3.0 |
| ED361 | | | METHODS OF TEACH. ELEM. SCI. | 3.0 |
| HSxxx | YES | HS.SV | GEN*ED HISTORICAL PERSP. | 3.0 |
| MA314 | YES | RD | NUMBER THEORY | 3.0 |
| MAxxx | | | MATH FREE ELECTIVE | 3.0 |
| xxx | | | FREE ELECTIVES | 2.0-3.0 |
| SEMESTER CREDITS | | | | 17.0-18.0 |

SEMESTER 6

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|------------------------------|-------------|
| ED362 | | | METHODS OF TEACH. SOC. STUD. | 3.0 |
| ED360 | | | METH. OF TEACH. ELEM. MATH | 3.0 |
| MA410 | | | MODERN ALGEBRA | 3.0 |
| MA317 | | | GEOMETRY | 3.0 |
| ENxxx | YES | LIT | GEN*ED LITERATURE | 3.0 |
| SEMESTER CREDITS | | | | 15.0 |

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 |
| xxx | YES | CD | GEN*ED CULTURAL DIVERSITY | 3.0 |
| xxx | YES | GU | GEN*ED GLOBAL UNDERSTAND. | 3.0 |
| xxx | | | FREE ELECTIVE | 1.0 |
| SEMESTER CREDITS | | | | 16.0 |

SEMESTER 8

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|---------------------------|-------------|
| MA325 | YES | WT | HISTORY OF MATH | 3.0 |
| ED416 | YES | EX | STUDENT TEACHING | 8.0 |
| ED416S | | | SEMINAR IN STUDENT TEACH. | 1.0 |
| | | | | |
| | | | | |
| SEMESTER CREDITS | | | | 12.0 |