

**MONMOUTH UNIVERSITY**

Office of Registration and Records

**2012\*2013 Sequence Chart**

**BY12EDS11GE12**

**B.S. IN BIOLOGY 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         |
| MA115 or 116 or 117     | YES           |              | SEE CURRICULUM CHART FOR TITLES                    | 3.0         |
| CE111/<br>CE111L        | YES           |              | GEN. CHEMISTRY I & LAB<br>(GEN*ED NATURAL SCIENCE) | 4.0         |
| FY101                   | YES           |              | FIRST YEAR SEMINAR                                 | 3.0         |
| BY110                   | YES           |              | INTRO. TO BIO. CELL MOLEC.                         | 4.0         |
| <b>SEMESTER CREDITS</b> |               |              |  | <b>17.0</b> |

**SEMESTER 2**

| COURSE CODE             | GEN*ED REQ'MT | COURSE* TYPE | TITLE  | CRS.        |
|-------------------------|---------------|--------------|--|-------------|
| EN102                   | YES           |              | COLLEGE COMPOSITION 2                                  | 3.0         |
| PY103                   | YES           | SS.SV        | INTRO. TO PSYCHOLOGY<br>(GEN*ED SOCIAL SCIENCE)        | 3.0         |
| CE112/<br>CE112L        | YES           |              | GEN. CHEMISTRY II & LAB<br>(GEN*ED NATURAL SCIENCE)    | 4.0         |
| BY109                   | YES           |              | INTRO. BIODIVERSITY EVOLU.<br>(GEN*ED NATURAL SCIENCE) | 4.0         |
| IT102                   | YES           | TL           | INFO. TECH. FOR SCIENTISTS                             | 3.0         |
| <b>SEMESTER CREDITS</b> |               |              |  | <b>17.0</b> |

**SEMESTER 3**

| COURSE CODE             | GEN*ED REQ'MT | COURSE* TYPE | TITLE                                   | CRS.        |
|-------------------------|---------------|--------------|---|-------------|
| EDL201                  |               |              | EDUCATIONAL PSYCHOLOGY                  | 3.0         |
| ED250                   |               |              | FOUND OF TEACH. & LEARN.                | 3.0         |
| CE241/<br>CE241L        |               |              | SEE CURRICULUM CHART OR<br>DEGREE AUDIT | 5.0         |
| BY223                   |               |              | GENERAL MICROBIOLOGY                    | 4.0         |
| BY205                   |               |              | ZOOLOGY                                 | 3.0         |
| <b>SEMESTER CREDITS</b> |               |              |   | <b>18.0</b> |

**SEMESTER 4**

| COURSE CODE             | GEN*ED REQ'MT | COURSE* TYPE | TITLE                                   | CRS.        |
|-------------------------|---------------|--------------|---|-------------|
| ED320                   | YES           | RD&WT        | TEACH. STUD. WITH DIV. NEEDS            | 3.0         |
| EDL206                  |               |              | CHILD & ADOLESCENT DEVELOP.             | 3.0         |
| BY213 or<br>BY214       |               |              | SEE CURRICULUM CHART or<br>DEGREE AUDIT | 3.0         |
| CE242                   |               |              | ORGANIC CHEMISTRY II                    | 3.0         |
| ED319/<br>ED319N        | YES           | WT           | CONTENT LITERACY<br>NCATE ASSESSMENT    | 3.0         |
| <b>SEMESTER CREDITS</b> |               |              |   | <b>15.0</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.        |
|-------------------------|---------------|--------------|--------------------------------------|-------------|
| BY310                   |               |              | BIOCHEMISTRY                         | 4.0         |
| PH105/PH105L            |               |              | PHYSICS FOR LIFE SCI. I & LAB        | 4.0         |
| ENxxx                   | YES           |              | GEN*ED LITERATURE                    | 3.0         |
| ED369 or ED375 (TERM A) |               |              | SEE CURRICULUM CHART or DEGREE AUDIT | 3.0         |
| ED370 or ED376 (TERM B) |               |              | SEE CURR. CHART/AUDIT                | 3.0         |
| <b>SEMESTER CREDITS</b> |               |              |                                      | <b>17.0</b> |

#### SEMESTER 6

| COURSE CODE             | GEN*ED REQ'MT | COURSE* TYPE | TITLE                          | CRS.        |
|-------------------------|---------------|--------------|--------------------------------|-------------|
| xxx                     | YES           | CD           | GEN*ED CULTURAL DIVERSITY      | 3.0         |
| PH106/PH106L            |               |              | PHYSICS FOR LIFE SCI. II & LAB | 4.0         |
| BY370                   |               |              | CELL BIOLOGY                   | 3.0         |
| HSxxx                   | YES           | HS.SV        | GEN*ED HISTORICAL PERSPEC.     | 3.0         |
| MA151                   | YES           |              | STATISTICS                     | 3.0         |
| <b>SEMESTER CREDITS</b> |               |              |                                | <b>16.0</b> |

#### SEMESTER 7

| COURSE CODE             | GEN*ED REQ'MT | COURSE* TYPE   | TITLE                                      | CRS.        |
|-------------------------|---------------|----------------|--|-------------|
| xxx                     | YES           | HS.SV or SS.SV | GEN*ED HISTORICAL PERSP. Or SOCIAL SCIENCE | 3.0         |
| BY423                   |               |                | GENETICS                                   | 4.0         |
| xxx                     | YES           | GU             | GEN*ED GLOBAL UNDERSTAND.                  | 3.0         |
| BYxxx                   |               |                | BIOLOGY ELECTIVE                           | 3.0         |
| <b>SEMESTER CREDITS</b> |               |                |  | <b>13.0</b> |

#### SEMESTER 8

| COURSE CODE             | GEN*ED REQ'MT | COURSE* TYPE | TITLE                       | CRS.        |
|-------------------------|---------------|--------------|-----------------------------|-------------|
| BY375L                  | YES           | RD           | MOLECULAR & CELL BIO. LAB   | 3.0         |
| BYxxx                   |               |              | BIOLOGY ELECTIVE            | 5.0         |
| BY425                   |               |              | PRINCIPLES OF DEVELOP. BIO. | 4.0         |
| BY495                   | YES           | RD           | SENIOR SEMINAR              | 1.0         |
| AR,MU,DA or TH          |               |              | GEN*ED AESTHETICS           | 3.0         |
| <b>SEMESTER CREDITS</b> |               |              |                             | <b>16.0</b> |

#### SEMESTER 9

| COURSE CODE             | GEN*ED REQ'MT | COURSE* TYPE | TITLE                          | CRS.        |
|-------------------------|---------------|--------------|--------------------------------|-------------|
| ED416 or ED417          | YES           | EX           | STUDENT or SUPERVISED TEACHING | 8.0         |
| ED416S or ED417S        |               |              | SEMINAR                        | 1.0         |
| xxx                     | YES           | ISP          | GEN*ED INTERDISCIP. PERSPEC.   | 3.0         |
| <b>SEMESTER CREDITS</b> |               |              |                                | <b>12.0</b> |