

MONMOUTH UNIVERSITY

Office of the Registrar

2017*2018 Sequence Chart

BY.MC.BS.17

SEMESTER 1

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|---|-------------|
| EN101 | YES | | COLLEGE COMPOSITION 1 | 3.0 |
| CE111 & CE111L | | | GENERAL CHEMISTRY I & LAB | 4.0 |
| BY110 | YES | NS | INTRO TO CELL & MOLEC. BIO (GEN*ED NATURAL SCIENCE) | 4.0 |
| MA115 or MA116 or MA125 | YES | | SEE CURRICULUM CHART (GEN*ED MATH) | 3.0 |
| FY101 | YES | | FIRST YEAR SEMINAR | 3.0 |
| SEMESTER CREDITS | | | | 17.0 |

SEMESTER 3

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|---------------------------|-------------|
| BY223 | | | GENERAL MICROBIOLOGY | 4.0 |
| CE241& CE241L | | | ORGANIC CHEMISTRY I & LAB | 5.0 |
| BY211 | | | PHYSIOLOGY WITH ANATOMY I | 4.0 |
| xxx | YES | SS.SV | GEN*ED SOCIAL SCIENCE | 3.0 |
| SEMESTER CREDITS | | | | 16.0 |

B.S. IN BIOLOGY WITH A CONCENTRATION IN MOLECULAR CELL PHYSIOLOGY

SEMESTER 2

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|---|-------------|
| EN102 | YES | | COLLEGE COMPOSITION 2 | 3.0 |
| CE112 & CE112L | | | GENERAL CHEMISTRY II & LAB | 4.0 |
| BY109 | YES | NS | INTRO. TO BIODIVERSITY & EVOL. (GEN*ED NATURAL SCIENCE) | 4.0 |
| IT102 | YES | TL | INFORM. TECH. FOR SCIENTISTS (GEN*ED TECH. LIT.) | 3.0 |
| AR,MU, DA or TH | YES | AT | GEN*ED AESTHETICS | 3.0 |
| SEMESTER CREDITS | | | | 17.0 |

SEMESTER 4

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|----------------|--|-------------|
| HSxxx | YES | HS.SV | GEN*ED HISTORICAL PERSP. | 3.0 |
| MA151 | | | STATISTICS | 3.0 |
| CE242 | | | ORGANIC CHEMISTRY II | 3.0 |
| BY212 | | | PHYSIOLOGY WITH ANATOMY II | 4.0 |
| xxx | YES | SS.SV or HS.SV | GEN*ED HISTORICAL PERSP. Or SOCIAL SCIENCE | 3.0 |
| SEMESTER CREDITS | | | | 16.0 |

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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**B.S. IN BIOLOGY WITH A CONCENTRATION IN
MOLECULAR CELL PHYSIOLOGY**

SEMESTER 5

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|--|-------------|
| BY310 | YES | WT | BIOCHEMISTRY AND LAB (GEN*ED WRITING INTENSIVE) | 4.0 |
| PH105 & PH105L | | | PHYSICS FOR LIFE SCI. I & LAB | 4.0 |
| xxx | YES | CD | GEN*ED CULTURAL DIVERSITY | 3.0 |
| xxx | | | FREE ELECTIVE | 3.0 |
| ENxxx | YES | LIT | GEN*ED LITERATURE | 3.0 |
| SEMESTER CREDITS | | | | 17.0 |

SEMESTER 6

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|---|-------------|
| xxx | YES | GU | GEN*ED GLOBAL UNDERSTAND. | 3.0 |
| BY370 | | | CELL BIOLOGY | 3.0 |
| BY375L | YES | WT & RD | MOLECULAR CELL LAB (GEN*ED WRITING INTENSIVE & REASONED ORAL DISCOURSE) | 3.0 |
| PH106 & PH106L | | | PHYSICS FOR LIFE SCI. & LAB | 4.0 |
| xxx | | | FREE ELECTIVES | 2.0 |
| SEMESTER CREDITS | | | | 15.0 |

SEMESTER 7

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|--|-------------|
| BY423 | | | GENETICS | 4.0 |
| xxx | | MC | MC ELECTIVE | 3.0 |
| xxx | YES | EX | FREE ELECTIVE (GEN*ED EXPERIENTIAL ED.) | 3.0 |
| xxx | | | FREE ELECTIVE | 3.0 |
| | | | | |
| | | | | |
| SEMESTER CREDITS | | | | 13.0 |

SEMESTER 8

| COURSE CODE | GEN*ED REQ'MT | COURSE* TYPE | TITLE | CRS. |
|-------------------------|---------------|--------------|--|-------------|
| xxx | YES | ISP | GEN*ED INTERDISCIPLINARY PERSPECTIVES | 3.0 |
| BY495 | YES | RD | SENIOR SEMINAR (GEN*ED REASONED ORAL DISC.) | 1.0 |
| BY410 | | | MOLECULAR BIOLOGY | 3.0 |
| BY425 | | | PRIN. OF DEVELOPMENTAL BIO | 4.0 |
| xxx | | MC | MC ELECTIVE | 3.0 |
| xxx | | | FREE ELECTIVE | 3.0 |
| SEMESTER CREDITS | | | | 17.0 |