

**BIOCHEMISTRY EMPHASIS
PRIOR TO FALL 2019**



MUST HAVE A MINIMUM OF A C- TO COUNT

REQUIRED COURSE

| COURSE | TITLE | CREDITS | TAKING WHEN |
|-----------|----------------------|---------|-------------|
| CHEM 2320 | ORGANIC CHEMISTRY II | 4 | |

BIOCHEMISTRY COURSES: COMPLETE TWO COURSES

| COURSE | TITLE | CREDITS | TAKING WHEN |
|-----------|------------------------------|---------|-------------|
| BIOL 3515 | BIOLOGICAL CHEMISTRY LAB | 3 [L1] | |
| BIOL 3520 | BIOLOGICAL CHEMISTRY II | 3 | |
| BIOL 3525 | MOLECULAR BIOLOGY OF DNA LAB | 3 [L2] | |

BIOCHEMISTRY LABS: COMPLETE TWO LABS

| COURSE | TITLE | CREDITS | TAKING WHEN |
|-----------|------------------------------|---------|-------------|
| CHEM 2315 | ORGANIC CHEMISTRY LAB | 2 | |
| BIOL 3515 | BIOLOGICAL CHEMISTRY LAB | 3 [L1] | |
| BIOL 3525 | MOLECULAR BIOLOGY OF DNA LAB | 3 [L2] | |
| CHEM 5750 | ADVANCED CHEMICAL BIOLOGY | 2 | |

GENERAL LABS: COMPLETE TWO COURSES

| COURSE | TITLE | CREDITS | TAKING WHEN |
|----------------|---|-------------|-------------|
| BIOL 4955/4995 | INDIVIDUAL RESEARCH/BIOLOGY HONORS RESEARCH | 1-3 [L1-L2] | |
| BIOL 5275 | MICROBIAL DIVERSITY, GENOMICS & EVOLUTION | 4 [L1] | |

BIOPHYSICS COURSES: COMPLETE ONE COURSE

| COURSE | TITLE | CREDITS | TAKING WHEN |
|-----------|--------------------------------|---------|-------------|
| BIOL 3550 | PHYSICAL PRINCIPLES IN BIOLOGY | 3 | |
| BIOL 5810 | NANOSCIENCE | 3 | |

MOLECULAR GENETICS COURSES: COMPLETE ONE COURSE

| COURSE | TITLE | CREDITS | TAKING WHEN |
|------------|---|---------|-------------|
| BIOL 5120 | GENE EXPRESSION | 3 | |
| BIOL 5140 | GENOME BIOLOGY | 3 | |
| BIOL 5275 | MICROBIAL DIVERSITY, GENOMICS & EVOLUTION | 4 [L1] | |
| BLCHM 6400 | GENETIC ENGINEERING | 2 | |