

Cell and Molecular Biology (B.S.)

Major Requirements **Credit Hours: 66**

Required Biology Hours **26**

BIOL 1101	Orientation to Biology	1
BIOL 1214	Fundamentals of Biology	4
BIOL 3003	Genetics	3
BIOL 3114	General Microbiology	4
BIOL 3514	Cell Biology	4
BIOL 3714	General Biochemistry	4
BIOL 4214	Molecular Biology	4
BIOL 4502	Biology Capstone	2

Elective Biology Hours **14**

Select from the following, including two to six credit hours in BIOL-prefix Directed Study, Research, or Internship courses.

BIOL 2214	General Botany	4
BIOL 2414	General Zoology	4
BIOL 3041	Genetics Laboratory	1
BIOL 3213	Comparative Anatomy	4
BIOL 3414	Comparative Physiology	4
BIOL 3814	Developmental Biology	4
BIOL 4314	Pathogenic Microbiology and Immunology	4
BIOL 4403	Advanced Biochemistry	3
BIOL 3851-8	Directed Study	1-8
BIOL 4851-8	Directed Study	1-8
BIOL 4881-8	Internship	1-8
BIOL 4991-8	Research	1-8

Required Ancillary Hours **26**

CHEM 1104	General Chemistry I	4
CHEM 1141	General Chemistry I Lab	1
CHEM 1204	General Chemistry II	4
CHEM 1241	General Chemistry II Lab	1
CHEM 3103	Organic Chemistry I	3
CHEM 3141	Organic Chemistry I Lab	1
CHEM 3203	Organic Chemistry II	3
CHEM 3241	Organic Chemistry II Lab	1
PHYS 1503	General Physics I or	3
PHYS 2104	University Physics I	(4)
PHYS 1541	General Physics I Lab or	1
PHYS 2141	University Physics I Lab	(1)
PHYS 1603	General Physics II or	3
PHYS 2204	University Physics II	(4)
PHYS 1641	General Physics II Lab or	1
PHYS 2241	University Physics II Lab	(1)