



BIOLOGY

Associate in Science Degree for Transfer

Biology is the study of living organisms from those composed of one cell to those made of trillions of cells and everything in between, including bacteria, mushrooms, humans, other animals, and plants. Biology majors also receive a strong foundation in other science fields, as these are relevant to living organisms. For example, all living things are made of molecules. So to understand how these molecules will interact in living organisms, biology majors will receive a foundation in chemistry. Students in the biology program at Oxnard College will learn about the diversity of living organisms and will become skilled in laboratory techniques. Various career options in biology will also be explored. Biology majors have the choice between two degree options. The Associate in Arts in Biology (A.A.) is recommended for those looking to transfer to a University of California school or planning on a career in the medical or dental field. The Associate in Science in Biology for Transfer (AS-T) is recommended for those students planning to transfer to a California State University school as it provides certain guarantees upon transfer. See a counselor for more information. For students interested in the wonder of the living world, the Oxnard College Biology program is the place to be. **University of California**

Limitation on Transfer of Biology Courses The UC will give credit for only one Biology series: **BIOL R101 + R101L or BIOL R120 + R120L.** No credit will be given for BIOL R101 + R101L if taken after R120 + R120L. For more information contact: Dr. Michael Nicholson (805) 678-5197 mnicholson@vcccd.edu

Required Core Courses		Units
BIOL R120	Principles of Biology I <i>*Prerequisites: CHEM R120 and MATH R005 or MATH R015 or placement based on multiple measurements assessments</i> <i>**Advisories: ENGL R097 or ENGL R100 or ENGL R101</i>	4.0
BIOL R120L	Principles of Biology I Lab <i>*Prerequisites: BIOL R120 or concurrent enrollment</i>	1.0
BIOL R122	Principles of Biology II <i>*Prerequisites: BIOL R120 and BIOL R120L and ENGL R100 or ENGL R101 or ENGL R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or placement as determined by the college's multiple measures assessment process</i>	4.0
BIOL R122L	Principles of Biology II Lab <i>*Prerequisites: BIOL R120 and BIOL R120L and BIOL R122 or concurrent enrollment</i>	1.0

LIST A: (15 UNITS)

CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
CHEM R122	General Chemistry II <i>*Prerequisites: CHEM R120</i>	5.0
MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 or MATH R116 or MATH R117 or placement as determined by the college's multiple measures assessment process</i>	5.0

Select one Physics Sequence (10 units)

Sequence 1:

PHYS R101	College Physics 1 <i>*Prerequisites: MATH R116</i>	4.0
PHYS R101L	College Physics 1 Laboratory <i>*Prerequisites: PHYS R101 or concurrent enrollment</i>	1.0
PHYS R102	College Physics 2 <i>*Prerequisites: PHYS R101</i>	4.0
PHYS R102L	College Physics 2 Laboratory <i>*Prerequisites: PHYS R102 or concurrent enrollment</i>	1.0

-or-



Sequence 2:

PHYS R131	Physics for Scientists and Engineers 1 <i>*Prerequisites: MATH R120</i>	5.0
PHYS R132	Physics for Scientists and Engineers 2 <i>*Prerequisites: MATH R121 and PHYS R131</i>	5.0

Total Required Major Units	35.0
CSU General Education <i>or</i> IGETC Pattern	31-33
Double-Counted Units	-(10)
Electives (CSU Transferable units needed to reach 60)	+ 2-4
Total units required for the AST Degree	60.0