

<b>Course Name</b>	<b>Faculty Qualifications Needed</b>	<b>Related Disciplines</b>	<b>Acceptable Alternative Qualifications</b>
BIOL 1010, 1011 Introductory Biology I and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 1020, 1021 Introductory Biology II and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 1012, 1013 Honors Introductory Biology I and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 1022, 1023 Honors Introductory Biology II and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 1110, 1111 General Biology I and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 1120, 1121 General Biology II and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 1112, 1113 Honors General Biology I and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 1122, 1123 Honors General Biology II and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.

BIOL 2110, 2111 Cell Biology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 2120, 2121 Principles of Genetics and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Evolutionary Biology, Biotechnology, Bioinformatics	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 2210, 2211 Human Anatomy and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Evolutionary Biology, Human Anatomy, Human Physiology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 2220, 2221 Human Physiology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Evolutionary Biology, Human Anatomy, Human Physiology, Biochemistry	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 2400, 2401 Principles of Microbiology	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Microbiology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3000/4999 Biology Upper Division Elective	Earned Master's or Doctorate degree in Biology in the teaching discipline; or Master's or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Genetics, Molecular Biology	Acceptable alternative qualifications include substantial professional or academic experience in specialized areas of biology, such as cellular biology, genetics, ecology, or biotechnology. Experience teaching upper-division undergraduate biology courses, conducting biological research, publishing in peer-reviewed journals, or supervising research projects may also be considered.
BIOL 3010, 3011 Earth and Space Science and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Geology, Environmental Science, Astronomy, Ecology, Evolutionary Biology, Aerospace Science	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3110 Biometrics	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Microbiology, Biotechnology, Bioinformatics	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.

BIOL 3200, 3201 Comparative Physiology	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Environmental Physiology, Physiology, Evolutionary Biology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3210, 3211 Mammalian Physiology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Anatomy, Human Physiology Microbiology, Evolutionary Biology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3240, 3241 Comparative Anatomy and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Evolutionary Biology, Human Anatomy, Human Physiology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3300, 3301 Plant Morphology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Ecology, Plant Physiology, Botany, Phytology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3320, 3321 General Botany and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Ecology, Plant Physiology, Botany, Phytology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3400, 3401 Introduction to Microbial Physiology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Physiology Microbiology, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3410, 3411 Principles of General Bacteriology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Medical Microbiology, Genetics, Microbiology, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3710 Methods of Teaching Biology	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Microbiology, Evolutionary Biology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.

BIOL 4100 Special Topics	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology, Bioinformatics	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4110, 4111 Molecular Genetics and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Genetics, Microbiology, Biotechnology, Bioinformatics	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4112, 4113 Bioinformatics	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Biotechnology, Bioinformatics	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4120, 4121 Principles of Ecology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Ecology, Plant Physiology, Botany, Phytology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4130 Contemporary Problems in Ecology I	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Ecology, Plant Physiology, Botany, Phytology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4140 Contemporary Problems in Ecology II	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Ecology, Plant Physiology, Botany, Phytology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4150, 4151 Microtechnique and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Biotechnology, Bioinformatics, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4160 Evolution	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Evolutionary Biology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.

BIOL 4170 Senior Seminar	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4180 Senior Seminar	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4190 Junior Honors Research	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4200, 4201 Invertebrate Zoology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Zoology, Evolutionary Biology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4210, 4211 Embryology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Anatomy, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4220, 4221 Endocrinology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Anatomy and Physiology, Endocrinology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4230, 4231 Histology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Histology, Physiology, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4240, 4241 Introduction to Parasitology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Zoology, Microbiology, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.

BIOL 4260, 4261 Field Zoology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Zoology, Evolutionary Biology, Environmental Biology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4270, 4271 Physiology and Pathophysiology I and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Anatomy & Physiology, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4280, 4281 Physiology and Pathophysiology II and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Anatomy & Physiology, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4272, 4273 Physiology and Pathophysiology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Anatomy & Physiology, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4300, 4301 Introduction to Plant Physiology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Ecology, Plant Physiology, Evolutionary Biology, Botany, Phytology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4320, 4321 Field Botany and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Ecology, Plant Physiology, Evolutionary Biology, Botany, Phytology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4400, 4401 Pathogenic Microorganisms and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Genetics, Microbiology, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4410, 4411 Immunology and Serology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Immunology, Biochemistry, Molecular Genetics, Genetics, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.

BIOL 4420, 4421 Virology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Virology, Immunology, Biochemistry, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4724 Student Teaching	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3920 Scientific Communication	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4900, 4901 Cell Physiology and Laboratory	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Biochemistry, Anatomy and/or Physiology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4911 Modern Scientific Methods	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Biotechnology, Bioinformatics	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4920 Honors Undergraduate Research	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4930 Current Biomedical Topics	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology, Bioinformatics	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4940 MARC Seminar Series	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology, Bioinformatics	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.

BIOL 4950 MARC Seminar Series	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology, Biotechnology, Bioinformatics	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3000/4000 BIOL Elective	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Molecular Biology, Biochemistry, Genetics, Microbiology, Ecology, Evolutionary Biology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 4290/4291 Human Gross Anatomy	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Biochemistry, Microbiology, Ecology, Anatomy and/or Physiology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.
BIOL 3420/3421 General Microbiology	Earned Masters or Doctorate degree in Biology in the teaching discipline; or Masters or Doctorate degree with a concentration in the teaching discipline with at least 18 graduate semester hours in the teaching discipline.	Cell Biology, Microbiology, Pathology	Acceptable alternative qualifications include substantial professional experience (e.g., publications, awards) in biology/biological sciences, relevant professional licensure/certifications, and notable scholarly work such as published articles or conference presentations in biology related fields.