

HONORS CELL BIOLOGY PHYSIOLOGY EMPHASIS CHECK LIST

This emphasis is designed for students seeking the most thorough possible training to prepare themselves for graduate school and a career in research, as well as those seeking entry into competitive professional programs (e.g. medicine, veterinary school, etc.). Acceptance into the Honors Emphasis requires a minimum overall GPA of 3.40. Students follow the Cell/Phys emphasis with the addition of physical science courses including calculus. They are required to complete a research project, to be written in the form of a thesis, in their senior year.

No minor is required with this emphasis.

Students must achieve a grade of "C" or above in all prerequisites to enroll in Biology classes.

UNIQUE REQUIREMENTS	HONORS CELL/PHYS BIO REQUIREMENTS
_____ Math 152 Elementary Functions	_____ Bio 141 - Plant Focus
_____ Math 243 Business Calc or Math 250 Applied Calc or Math 253 Calc & Analy Geometry	_____ Bio 142 - Animal Focus
_____ Chemistry 102	_____ Bio 251 - Intro to Genetics
_____ Chemistry 104	_____ Bio 253 - Intro to Cell Biology
_____ Chemistry 251 Organic Chem I	_____ Bio 254 - Biotech Lab Methods
_____ Chem 261 Organic chem Lab I	_____ Bio 303 Plan & Present Bio Research
_____ Chem 252 Organic Chem II	_____ <i>Bio 311 Microbiology</i>
_____ Chem 262 Organic Chem Lab II	_____ <i>Bio 340 - Comparative Anatomy or Bio 341 - Animal Development or Bio 351 - Plant Kingdom</i>
_____ Physics 140 (or 180)	_____ <i>Bio 317 - Plant Physiology or Bio 345 - Animal Physiology*</i>
_____ Physics 141 (or 181)	_____ <i>Bio 257 - Intro to Ecology or Bio 446 - Organic Evolution</i>
Recommended:	_____ Bio 390 - Colloquium
Chem 456 Biochemistry	_____ Bio 400 - Colloquium
	_____ Bio 499 Thesis (first semester - 2 cr)
	_____ Bio 499 Thesis (second semester - 3 cr)

updated 10/23/07

Recommended:
Bio 493 Internship and/or
Bio 498 Independent Study