

How Does Biochemistry Compare to Other Life Sciences?

Compared to	Biochemistry is <i>more</i>	Biochemistry is <i>less</i>
Biology	Integrated with the physical sciences (chemistry and physics)	Concerned with organismal biology or ecology
Health and Human Physiology	Concerned with the universal chemistry of life	Focused on the physiology and mechanics of humans
Microbiology	Broad, as it deals with both eucaryotic and procaryotic organisms	Concerned with pathogens and the mechanisms of disease
Chemistry	Focused on the range of reactions that occur in living systems	Concerned with inorganic reactions or synthetic chemistry
Bioengineering	Concerned with basic mechanism that underlie metabolism, growth and development	Involved in applying basic knowledge in pharmaceutical, agricultural or industrial contexts

These differences outlined above are differences of degree, not all-or-none. The overlap among all these areas is visible in the fact that our majors often graduate with a minor or second major in one of these fields. Transfers into and out of the biochemistry major also often occur with these fields. For more information about majoring in Biochemistry visit:

<https://medicine.uiowa.edu/biochemistry/education/undergraduate-program/undergraduate-curriculum>