

**NAME:****STUDENT****MINOR in BIOINFORMATICS**

Course #	Course Name*	Grade	Cr	Notes
<b>PREREQUISITES (8 HRS):</b>				
CIST 1400	Intro to Computer Science I			
BIOL 1450	Biology I			
<b>CORE COURSES (9 HRS):</b>				
BIOI 1000	Intro to Bioinformatics			
BIOI 2000	Foundations of Bioinformatics			
BIOI 3000	Applied Bioinformatics			
<b>ELECTIVE COURSES (9 HRS):</b>				
BIOI 3500	Advanced Bioinformatics Programming			
BIOI 4500**	Independent Study			
BIOL 4050**	Supervised Research in Biology			
BIOI 4860	Bioinformatics Algorithms			
BIOI 4870	Database Search & Pattern Discovery in BIOI			
BIOI 4890	Computerized Genetic Sequence Analysis			
BIOI 4950	Special Topics in Bioinformatics			
BIOI 4970	Senior Project in Bioinformatics I			
BIOI 4980	Senior Project in Bioinformatics II			
BIOL 3020	Molecular Biology of the Cell			
BIOL 4130	Molecular Genetics			
BIOL 4140	Cellular Biology			
CSCI/MATH 4150	Graph Theory and Applications			
CSCI 4850	Database Management Systems			
<b>Remaining:</b>		<b>18</b>	<b>Compl:</b>	<b>0</b>

Last update: March 2022 This Advising worksheet corresponds to the 2022-2023 UNO Catalog.

\*Students are responsible for completing the prerequisites for all courses taken for the BIOI minor.

\*\*The number of combined credits from BIOI 4500 and BIOL 4050 cannot exceed 3.

All courses must be C- or higher

**LAST UPDATED:**

**CITY OF NEBRASKA AT OMAHA**  
**SCHOOL OF INFORMATION SCIENCE & TECHNOLOGY**