

**Department of Biology
University of Minnesota Duluth
Science Writing Goals**

Students should be able to:

1. search the scientific literature and read and comprehend biological writing;
2. analyze and synthesize diverse and complex data and existing ideas to draw new conclusions;
3. evaluate their audience and write at the appropriate technical level;
4. present a paper's purpose as an important problem that stimulates interest;
5. develop and sustain a written argument;
6. write documents in different scientific genres, effectively using the conventions of each;
7. place a paper within the context of existing primary literature and properly attribute sources;
8. organize a paper's content using a clear, logical sequence of ideas;
9. choose, create and utilize visuals to effectively support an argument;
10. organize ideas into clear, concise and grammatically correct sentences and coherent paragraphs;
11. follow the conventions of standard written English and scientific writing; and
12. to give, receive and incorporate constructive and meaningful feedback to and from peers.