BSCI 289

**Off-Campus Science Internships**

*College of Computer, Mathematical, and Natural Sciences*

*University of Maryland, College Park*

Contract for BSCI 289: PART II

Enrollment in BSCI 289 (Off-Campus Science Internships) is by permission only. Part I of the BSCI 289 contract must be completed and returned to the Assistant Dean for Science Education Initiatives before permission to enroll in BSCI 289 will be granted. Part II should be completed at the conclusion of the internship semester.

**Please note:** Part I of the BSCI 289 contract must be submitted prior to the end of the schedule adjustment period for the semester in which you wish to receive credit. **Part II of the contract and your paper (if required) must be submitted by the last day of final exams for the semester.**

Student Information

Name

University ID Number

E-Mail Address

Certification of Internship Completion

Student Signature Date

Mentor Signature Date

Assistant Dean for Science Education Initiatives Date

**Contract for BSCI 289 PART II**

**Evaluation of the Internship Experience**

(To be completed by the student)

Give a title to your work:

What is the scientific question or issue that your work addressed? How has your understanding of this matured during your internship?

How did you learn about the science underlying your work (e.g., reading the primary literature, conversations with your mentor or co-workers, formal seminars, evaluation of your own research results, etc)?

What specific lab, field or general research skills did you learn?

What conclusions did you draw from your research?

What were the strengths and weaknesses of your experience?

**Contract for BSCI 289 PART II**

**Evaluation of the Internship Experience**

(To be completed by the mentor)

Did the student acquire an understanding of the science underlying the work? How was this understanding acquired?

Did the student acquire the requisite lab/field/general research skills to contribute to your research effort?

Did the student report to work as expected?

Was the quality of student's work satisfactory?

In what ways did the student excel beyond the normal expectations of the internship position?

In what ways did the student fall short of normal expectations of the internship position?

**Contract for BSCI 289 PART II**

**Guidelines for formal paper for elective internship credits through (BSCI 289) in cases where student also received pay for work**

Students enrolled in BSCI 289 have two options for the final paper. Option 1 is a scientific report of the research project. Option 2, to be used in cases where the research has not yet produced results or the results are classified or proprietary, is a literature review in an area relevant to the research.

Content of paper: Option 1

* Begin with a review of the research literature that provides the context for your specific research project. Be sure to cite all references in the text of your paper and list them at the end.
* Your literature review must refer to at least 5 sources from the primary literature. You can also cite as many secondary sources as you wish, but they cannot be substituted for primary sources.
* Provide a concise summary of your internship research project. This should include the question your research was designed to answer, the methods you used to evaluate your research question, the results you obtained and the interpretation of those results in light of your original research question.
* Provide a critique of the strengths and weaknesses of your work.
* In closing, give your thoughts on what you might do next if you were in charge of the research. Are there ways in which the experiments could be changed to generate data more suitable for answering your original research question? Did your results suggest new research questions?

Content of paper: Option 2

* Write a review of the research literature that provides the context for your specific research project. You can focus on the results of previous research or on the development of specific methodologies or instrumentation that is important for conducting the research.
* Your literature review must refer to at least 10 sources from the primary literature. You can also cite as many secondary sources as you wish, but they cannot be substituted for primary sources.

Format of paper

* Your paper should total five to seven (5-7) pages double spaced, excluding references.
* Be sure to spell-check and proofread for errors.
* All sources used in the preparation of your paper must be cited in the text using a standard scientific format (e.g., Author, year) and all citations in the text must be listed in a “Literature Cited” section at the end of the paper.
* Inform yourself of the correct way to paraphrase and cite others’ work. Plagiarism is taken very seriously and all apparent cases of plagiarism, or other forms of academic dishonestly, will be referred to the Honor Council. A nice resource on what constitutes plagiarism and how to avoid it can be found at http://www.plagiarism.org/.