

October 19, 2016

Dr. Peifang Tian
Chair of CAP

Dear Dr. Tian,

The data science proposal has been updated to address the questions and concerns outlined in the letter from CAP dated September 26, 2016 as follows:

1. Page 18 describes additional activities beyond the online courses. In addition, please refer to the letter of support from Brian Williams, which indicates strong market demand from industry, along with high enrollment in data science courses to date both at John Carroll University as well as other universities, as indicators of expected enrollment in the new major.
2. Program Learning Goal 4 has been updated on page 6 to reflect discipline-specific data use cases.
3. The comparison of computer science and data science program requirements has been updated on page 11 to discuss the number of upper-level credits in comparison to other programs.
4. Letters of support have been requested by the deadline of 10/15.
5. The DATA470 syllabus has been updated on pages 63-66. In a manner similar to CS470, projects serve a variety of non-paying clientele including faculty at John Carroll University as well as individuals and companies external to the university. The source of data will be determined based on the particular requirements of each project.
6. The number of credits in the minor has been adjusted to 22 credits. Similar to the major, the minor provides breadth across several subjects rather than depth within a single subject. See page 13.
7. The letter from the chair of the Department of Mathematics and Computer Science has been updated to clarify the budget contribution.
8. The budget has been updated to indicate students will pay for cloud storage directly, described on page 18.
9. The UBAC committee met on 10/11 and voted to support the Data Science major. CAP should receive a letter of support directly from Dennis Hareza.
10. In response to a concern mentioned in the letter of support from the Dean's office, the proposal was updated on page 12 to list additional faculty members who can teach data science courses.

Thank you for the thorough and valuable feedback.

Sincerely,
Linda Seiter, PhD.
Professor, Department of Mathematics and Computer Science