

List any additional faculty who will have a role in this this program as a result of the change(s), indicating those who will have leadership and/or coordinating roles. For each individual, indicate status with respect to tenure track (TT or NTT), rank, and full-time or part-time.

The development and launch of the Data Science Program at the university under the auspices of the Presidential Initiative in Data Science (DSI) is a new type of endeavor for the University of Oregon. As such, the inclusion and addition of faculty to lead, support and teach in the program will occur in a different manner than would occur, for example, through the development of a new major within an existing department.

Because the major is meant to provide foundational training that will be applied through applications to domains in partnership with existing units (see program description), the development of the program primarily involves the inclusion of existing courses and faculty at UO. For example, core courses in math and CIS in applied mathematics, statistics, and computer science either already exist or were planned to be offered by faculty in those units in collaboration with the Data Science Program.

In addition, over the past several years faculty lines have been approved as being affiliated with the DSI and the majority have been successful. These faculty members are planning courses that will contribute to the core offerings (e.g., data science ethics will be offered via faculty hired into philosophy in CAS) and domain offerings at the upper division (e.g., hires in biology, psychology, business, education, etc.).

As outlined in the program description, only a handful of new courses will need to be developed (e.g. DSCI 101, 102, 311, 345, 372, 411) specifically to fulfill the pedagogical needs of training in core data science principles. These courses will be developed through two primary mechanisms. First, working under the guidance of TTF members of the Internal Advisory Board (IAB), key NTTF in DSI (e.g., Drs. Jake Searcy, Emily Beck, Clay Small) will work to build the courses and begin delivering content. These individuals are highly trained in data science and have been developing and teaching courses in a variety of data science areas at UO. Second, key interested TTF faculty will be recruited to participate in the development and delivery of these courses via course buyouts to home departments. Lastly, as these courses and the program grows, faculty lines will be proposed in the program through the institutional hiring plan process. At maturity, the suite of core data science courses will be offered by core faculty in the DSI.

Leadership of the Data Science Program will continue to occur initially (first two years) through the DSI, with Deputy Director Joe Sventek continuing to play the role of program director. Overall coordination of courses and course offerings will occur with the assistance of DSI Project Manager Gretchen Drew. Coordination of the program with the larger research and graduate educational missions of the DSI will occur under the guidance of Executive Director Bill Cresko. As the program grows, the addition of support staff and leadership will occur organically over time. The anticipation is that at maturity - approximately 4 to 5 years - the program will have the full leadership and support staff typical of a large department in CAS.