

Fall 2021 Non-INS Courses
(Faculty-recommended)

CCI 651 STEM C&I (Contemporary Issues in Science, Technology, Engineering, and Medical Communication and Information)

Section 001 – CRN 51717
3:30-6:30 Monday

This course will explore the role of communication and information in facilitating discovery of ideas, collaborating between researchers, and disseminating findings to those within the fields as well as to the public. The course will also review a brief history of STEM communication and study how science is communicated between scientists, between research organizations, across disciplines and eventually to the public. Examples of STEM areas include, but are not limited to, environmental science, health, engineering, biodiversity, and machine learning/artificial intelligence. Some topics will include the scientific communication, scientific data lifecycle, science disinformation, and translational science.

Course available on campus only.

MATH 525 Statistics I

Section 001 – CRN 45181
11:30-12:45 Tuesday/Thursday Room: Ayers Hall 111

This course, taught by a new professor in Math, covers the essentials of Statistics with an emphasis on Data Science and recent applications. Throughout the semester the class explores a variety of analytic and computational approaches that are used in Machine Learning and Data Analysis.

Course available on campus only.

ANTH 449 Big-data Social Sciences

Section 001 – CRN 51653
1:10-2:25 Monday/Wednesday Room: TBA

Data-driven research is growing in the social sciences, from academic study to public health, communications and marketing. With no coding experience required, this course introduces students to the basic techniques in the open-source coding platform of R Studio. By the end of the course, you should know what data-driven social science is about, how to obtain data and how to do research on your own laptop. Scheduled topics include data-mining and text, sentiment analysis, spatial mapping of sociocultural data, multivariate or multidimensional analysis, social media and cultural change—all using data from public sources. The subjects covered may be adjusted based on student interests.

May be taken for graduate credit. Course available on campus only.

Please complete a [Transfer Request Form](#) to ensure course any of the above courses count towards your degree.