COMPUTING DATA SCI SOFT MAT

Computing and Data Science for Soft Materials Innovation

3

CREDIT/S

Mon./Wed.
3:35–4:50

This elective course will involve graduate students working together in teams to solve real-world soft materials (MAT) problems submitted by industry using high-performance computing (HPC) and/or data science (DS) tools.

Each project is tackled by a team of 3 or 4 students with 1–2 students from HPC/DS technical background and 1–2 from polymer/soft materials technical background. The co-instructors and industrial/national lab mentors (who submitted the projects) guide the teams through teamwork, collaboration, and oral & written communication exercises.

It is likely that we will have 3 returning project mentors from DuPont, W. L. Gore, and Merck & Co., Inc. as well as a new industry mentor.

[Last year's projects](#)

≤20

AVAILABLE SEATS

FACULTY:
Arthi Jayaraman, Ph.D.
Centennial Term Professor for Excellence in Research and Education
Austin Brockmeier, Ph.D.
Assistant Professor