Computational Data Science and Machine Learning Graduate Certificate courses that can apply to MSDS and MSCS programs

**MSDS**

- **Required Core Courses**
  - CS 6570 - Data Science Algorithms I
  - CS 6580 - Data Science Algorithms II
  - CS 6600 - Machine Learning
  - Take one of the following:
    - CS 6700 - Deep Learning Theory
    - CS 6705 - Applied Cloud Computing

- **Elective MSDS Courses**
  - 6 credits required
  - CS 6600
  - CS 6700

**MSCS**

- **Computer Science Graduate Electives**
  - 9 credits required
  - CS 6570
  - CS 6580
  - CS 6600
  - CS 6700
  - CS 6705