Computational Data Science
Requirements and Program Flow
These requirements are effective for students admitted to the Computational Data Science major beginning Fall 2019.

F R E S H M A N    Y E A R

FALL Term 1
- EGR 100 - 2 Intro Engr Design
- MTH 132 - 3 Calc I
- ISS 2XX - 4 *Div- N, I or D

SPRING Term 2
- EGR 100 - 2 Intro Engr Design
- MTH 133 - 4 Calc II
- WRA 101 - 4 Univ Writing

S O P H O M O R E    Y E A R

FALL Term 3
- CMSE 201 – 4 Intro to Computational Modeling & Data Analysis
- MTH 314 – 3 Matrix Algebra
- PHY 183 - 4 Physics I

SPRING Term 4
- CMSE 202 – 4 Computational Modeling Tools & Techniques
- MTH 234 – 4 Multivariable Calculus
- PHY 184 - 4 Physics II

J U N I O R    Y E A R

FALL Term 5
- STT 380 – 4 Prob and Statistics for Data Sci
- MTH 235 – 3 Differential Equations

SPRING Term 6
- CMSE 381 – 4 Fund of Data Sci Methods
- ISS 3XX - 4 *Div- N, I or D

S E N I O R    Y E A R

FALL Term 7
- CMSE 382 – 4 Opt Methods in Data Sci
- Major Elect  - 3 Choose 1 400-level course from approved list (d)

SPRING Term 8
- Biosci Course - 4 1/2 courses from approved list
- Elective - 3
- Major Elect - 3 Choose 1 400-level course from approved list (c)

Elective - 3

Elective - 4

Elective - 6

LEGEND

Prerequisite
Prerequisite or Concurrent

*Div: Complete courses in at least 2 out of 3 diversity categories – “N”, “I” or “D”

Last Revised: 03/20/19