

**Computer Engineering: Networks and Data Concentration**  
**Computer Engineering Electives**  
**Degree Total: 0-3 credits**

Course Number	Course Title	Credits	Prerequisites	Terms
DSCI 320	Optimization Methods in Data Science	3	CS163 or CS164 or CS165 or CS220; MATH261; DSCI369 or MATH369	F
ECE 101	Foundations in ECE	1		F, S
ECE 395 <sup>1</sup>	Independent Study	1-3		F, S, SS
IDEA 310L	Design Thinking Toolbox: Creating Things that Think	2	IDEA210, may be registered concurrently	F

<sup>1</sup> A total of 3 credits of Independent Study may apply towards degree requirements. This includes credits awarded for ECE395 and ECE495 combined.