General Requirements:
15 graded credits are required for the major - core classes cannot be counted.
9 credits are required for each of the 2 minors - core classes cannot be counted, and at most 3 credits of 793/888 can be counted across the 2 minors.

Notes:
1. Students can take major and minors outside of the list below. They should contact a faculty member in that area prior to taking any of the classes.
2. Students could meet the requirements for the major/minors listed below using an alternative set of classes, including possibly graduate classes taken at another institution. They should contact their major/minor advisor to discuss this in advance.

Software Methodology

Major:
763
+ 1 from 758, 762, 772
+ 3--8 credits from 788.12, or other
  788 with prior approval of
  Soft. Meth. area adviser
+ any remaining credits
  from 756, 757, 767, 794R*

Minor:
1 from 758, 762, 772
+ 3--5 credits from 788.12, or other
  788 with prior approval of
  Soft. Meth. area adviser
+ any remaining credits
  from 756, 757, 763, 767, 794R*

(*794R is likely to be replaced with a permanent number soon).
Networking:
Major: 5 from {651, 677, 678, 679, 763, 777, appropriate 788}
Minor: 3 from {651, 677, 678, 679, 763, 777, appropriate 788}

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Graphics

Minor: 681 required.
    2 out of (682, 781, 782, 784 or 788.14.)

Major: 681 required.
    At least 2 out of (682, 781, 782, 784)
    At least 1 788.14.

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High-end systems

major: 621, 721, 778, 875, and one from 788.08, 788.11

minor: 9 credits from (621, 721, 778, 875, 788.08, 788.11, 888.08, 888.11),
subject to prerequisite structure and no more than 3 credits of 888

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Software Systems:

major: 671, 762, remaining credits from (674, 770, 772, 763, 788.02, 788.06, 788.11)

minor:
DB track: 671, 674, one from (770, 772, 788.02, 888.02)

Distributed Computing Track: 762, 763, one from (788.11, 788.06, 888.11, 888.06)

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ARTIFICIAL INTELLIGENCE
Major (15 graded credits)

730, (731 or 732), 779, (634 or **),
+ 1 from 788.04

Minor (9 credits)

(630 or 730), 1 from (731, 732, 779, 634, **),
+ 1 from (788.04)

**: New class in speech recognition that is under development.

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Theory and Algorithms Minor:

A student needs to take at least 2 courses from group 1 and a total of 3 courses from group 1 and group 2.

Group 1:
CSE 794Q/790 Advanced algorithms
CSE 763 Intro to Distributed Computing
CSE 784 Geometric Modelling
CSE 788 (Computational Geometry/Randomized algorithms and other courses offered by theory faculty) CSE 794Q/723 Introduction to cryptography

Group 2:
Math 547, 548, 549 Analysis
Math 575 Combinatorics & Graph Theory
Math 578 Discrete Mathematical Models
Math 648, 649 Mathematical Logic
Math 655, 656, 657 Topology