Graduate Option: Requirements:

Student thesis must have a significant computational component, and the thesis committee must include at least one CSE-affiliated faculty member.

16 hours: 2 CSE Core Courses and 2 CSE Application Courses from approved list below:

Core Courses	Course Title	Offering	Pre-Requisite
CSE 401 | CS 450	Numerical Analysis	Every SP/FA	Math 415; CS 101/125
CSE 402 | CS 420	Parallel Programming	Every FA	CS 225
CSE 408 | ECE 408	Applied Parallel Programming	Every FA	ECE 220
CSE 527 | CS 519	Visualization	SP Every 2 - 4 years	CS 418

Minimum of 8 hours of 4-500-level courses from this approved list:

- IB 467: Principles of Systematics
- IB 491: Biological Modeling
- IB 494: Theoretical Biology and Models
- IB 501: Programming for Genomics
- IB 502: Biological Networks
- IB 504: Genomic Analysis of Insects
- IB 505: Bioinformatics and Systems Biology
- IB 506: Applied Bioinformatics
- IB 507: Statistical Genomics
- IB 508: Multivariate Biostatistics