2023 – 2024 Master of Science in Computational Science

Not an Official Record – Official Records from Office of Registrar

Mathematics & Statistics	*Credits*
CSCI B501/STAT B501 *(Advanced Statistical Methods)*	3
CSCI B502/MATH B502 *(Numerical Analysis for Computing)*	3
Core Courses	
CSCI B500 *(Practical Computing for Computational Scientists)*	3
CSCI B550 *(Systems Modeling & Simulations)*	3
CSCI B569 *(High Performance Computing)*	4
Electives	

Choose 9 credit hours from the list of courses below:
    CSCI B515 *(Topics in Computational Science)*
    CSCI B516 *(Data Communications & Networking)*
    CSCI B520 *(Advanced Topics in Database Systems)*
    CSCI B522 *(Data Mining)*
    CSCI B563 *(Digital Image Processing)*
    CSCI B570 *(Software Systems Design & Implementation)*
    CSCI B599 *(Independent Study)*
    CSCI B601 *(Principles of Computer Security)*
    CSCI B622 *(Data Management & Analytics)*
    CSCI B699 *(Industrial or Research Internship)*
	3

Thesis, Project, or Coursework Option	

Choose one of the following options:
    Project Option: CSCI B797 *(Research Project)* ………………………………………………………………………*3-6 credit hours per semester*
    Master's Thesis Option: CSCI B799 *(Master's Thesis)* …………………………………………………………..…*3-6 credit hours per semester*
    Coursework Option: CSCI B599 or B699 and additional 3 credit hours of 5-level CSCI electives ….*6 credit hours*	

Minimum Credit Hours Required for Graduation: 30 Credits

NOTES
- *Only courses with grades of 'B' or higher may be transferred from another institution into the program. Coursework transferred for credit toward the MS Computational Science degree must be from an accredited institution and must be no more than 6 years old at the time of graduation.*
- *Coursework transferred from another institution must be relevant to the program and have course content and a level of instruction equivalent to that offered by the University's own graduate program.*