4 Semester Plan Accelerated Master's Program in Biology

Fall Year 4 (last year of undergraduate degree)

BIOT 590 DNA 3 credits

Spring Year 4

BIOT 695 Bioinformatics 3 credits

BIOT 591 PCR 3 credits

BIOT 594 Cell Culture 2 credits

or

Directed Elective 3-4 credits (see list below)

Summer 4

BIO 697 Research in Biology 1-3 credits (MS students)

During Summer 4, M.S. students will write their thesis proposals.

Fall Year 5 (first year of graduate degree)

BIO 629 Seminar in Biology 1 credit

BIOT 692 Protein 3 credits

BIOT 693 Prof Dev 1 credit

Directed Elective 3 credits

Spring Year 5

BIO 629 Seminar in Biology 1 credit

BIOT 696 Research Design 3 credits

BIO 697 Research in Biology 1-3 credits

BIOT 594 Cell Culture 2 credits

or

Directed Elective 3-4 credits

<u>Summer 5 (as needed)</u>

THES 698 Thesis Research 6 credits (MS Students)

During Summer 5, M.S. students will defend their theses.

Directed Electives (two courses from this list are required for the Biology master's degree)

BIO 552 Advanced Genetics 3 credits

BIO 554 Genomics and Proteomics 3 credits

BIO 557 Molecular Biology 3 credits

BIO 631 Virology 4 credits

BIO 636 Immunology 4 credits

BIO 648 Biostatistics 3 credits

BIO 655 Advanced Cell Biology 3 credits