

## **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**

**Summer 5 (as needed)**

**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**