MS Program Applied Biotech (36+ hours)

**FIRST YEAR**

**Fall-first semester**
*MCBA 740-3 hours-Biological Microscopic Imaging I
*MCBA 741-3 hours-Molecular Imaging Methods of Biomedical Research I
*BMSC 700-1 hour-Intro Biomedical Research; pass/fail
*BMSC 706-2 hours-Biomedical Research Conduct (ethics); pass/fail
*BMSC 702-4 hours-Medical Cell Biology I
Note: labs in applied biotech courses take extensive time each week per Dr. Bob Price

**Spring semester**
*MCBA 742-3 hours-Biological Microscopic Imaging II
*MCBA 743-3 hours-Molecular Imaging Methods of Biomedical Research II
*BMSC 801-2 hours-Seminar; pass/fail
One elective-your choice-consult with Dr. Jay Potts or Dr. Bob Price
Work on getting thesis committee together. Committee members should be: Dr. Price, Dr. Potts, and PI of the lab you are working in.

**Summer semester**
Conduct research in lab or internship or take elective courses - consult with Dr. Potts or Dr. Price
*BIOS 700-Intro to Biostatistics-3 hours, offered online; good time to take this course

**SECOND YEAR**

**Fall semester**
*MCBA 720-Special Topics Microscopic Anatomy
*BIOS 700-Introduction to Biostatistics (offered online); or graduate elective course level 500 or above
*BIOL 717-Biological Chemistry (on the main campus)
*Research-780-(take up to 5 hours)
Company or lab preceptorship-consult with Dr. Potts or Dr. Price

**Spring semester**
*Thesis-take BMSC 799/thesis prep; (must take at least one hour of 799)
Thesis-defend & submit G-TSF-Thesis Signature & Approval form & embargo memo if needed
Thesis-submit your thesis paper for format check and final submission approval
Non-thesis-take elective class
Non-thesis-take comprehensive exam two weeks before defense deadline

**Example of Elective courses (consult with Dr. Price)**
BMEN 572-Tissue Engineering
BMEN 723-Anatomy & Physiology for Biomedical Engineers
BIOL 530-J50-Histology {offered online}
BIOL 610-Hallmarks of Cancer

*Required classes

Updated: 2.2.24 JN