

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**