



# UNIVERSITY OF SOUTH CAROLINA BIOMEDICAL SCIENCE MS PROGRAM

## Master's Degree Course Requirements

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Degree Requirements (32 graduate credit hours; 26 must be “didactic” or non-research course work)

### Course Requirements

#### Fall Semester First Year

Interdisciplinary Laboratory (BMSC 700); 1 credit hour

Ethics in Biomedical Research (BMSC 706); 2 credit hours

Biochemistry – Biomedical Biochemistry (BMSC 754); 4 credit hours or Biological Chemistry (BIOL 717) 3 credit hours or \*Biochemistry for Biomedical Sciences (BMSC 707); 3 credit hours

Cell Biology – Human Cell and Molecular Biology (BMSC 702); 4 credit hours or Advanced Cell Biology (BIOL 714); 3 credit hours or \*Human Cell and Molecular Biology I (BMSC 708); 3 credit hours

Special Topics in Microscopic Anatomy (MCBA 720); 1 credit hour (required for students substituting BMSC 707 for BMSC 754)

11 credit hours completed

#### Spring Semester First Year

Seminar in Biomedical Sciences (BMSC 801); 2 credit hours

Electives (up to three 500 level or higher courses to be determined in conjunction with Thesis Advisor – note that while 500 and 600 level courses can be applied to the MS degree, at least 50 percent of the courses taken must be 700 level or higher)

Max 12 hours

#### Fall Semester Second Year

Electives (one or two 500 level or higher to be determined in conjunction with Thesis Advisor)

Research Credits (BMSC 780, MCBA 780, MBIM 780 or PHPH 780); variable

Max 12 hours

#### Spring Semester Second Year

Research Credits (BMSC 780, MCBA 780, MBIM 780 or PHPH 780); variable

Thesis Preparation (BMSC 799); variable

Max 12 hours

**NOTE:** Only 6 hours of Research Credit (BMSC 780, MCBA 780, MBIM 780 or PHPH 780) and Thesis Preparation (BMSC 799) may be applied to the 32 hours required for degree completion.