

Master of Science in Biomedical Sciences (MSBS) Curriculum

Degree Type

MSBS

MSBS Curriculum Requirements

The Master of Science in Biomedical Sciences (MSBS) program at the CHSU College of Biosciences and Health Professions offers two tracks, a 1-Year, Non-Thesis and a 2-Year, Thesis track.

Students are required to complete the following courses for the 1-year, non-thesis track. A minimum of 30 credits is required to earn the Master of Science in Biomedical Sciences (MSBS) degree. Students can elect to take the MCAT Prep course for an additional 2.0 credit hours for a total of 32.0 credit hours.

1 Year, Non-Thesis Track

Fall Semester

Course #	Title	Credits
MSBS 611	Anatomy-I	3.0
MSBS 613	Biochemistry	3.0
MSBS 614	Genetics, Molecular and Cell Biology	3.0
MSBS 616	Biostatistics and Principles of Epidemiology	3.0
MSBS 617	Physiology and Pathophysiology-I	2.0
MSBS 621	Integrated Applications and Skills-I	1.0
MSBS 641	Critical Thinking and Research Methods (year-long)	2.0
MSBS 651	MCAT / DAT Prep (optional)	2.0

Spring Semester

Course #	Title	Credits
MSBS 612	Anatomy-II	3.0
MSBS 615	Immunology and Microbiology	3.0
MSBS 618	Physiology and Pathophysiology-II	2.0
MSBS 622	Integrated Applications and Skills-II	1.0
MSBS 634	Pharmacology and Toxicology	3.0
MSBS 642	Ethics in Healthcare	1.0

To complete the 2-year, thesis track, students must first complete the required courses of the 1-year, non-thesis track and 20 credit hours in the following research courses:

2-Year, Thesis Track

Course #	Title	Credits
MSBS 751	Introduction to Research	4.0
MSBS 791	Mentored Research and Thesis	16.0
	Total Credits	52