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## MINOR IN BIOMEDICAL SCIENCES

## Requirements Effective Fall 2018

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

A minimum grade of C (2.000) in either BMS 300 or BMS 360 will be required for those students who are seeking to graduate with a minor in biomedical sciences.

Required Courses  BMS 300	Code	Title	Credits
or BMS 360 Fundamentals of Physiology  Elective Courses  Select 17 credits from the following: 17  BMS 200 Concepts in Human Anatomy and Physiology  BMS 301 Human Gross Anatomy  BMS 302 Laboratory in Principles of Physiology  BMS 305 Domestic Animal Gross Anatomy  BMS 325 Cellular Neurobiology  BMS 330 Microscopic Anatomy  BMS 345 Functional Neuroanatomy  BMS 384 Supervised College Teaching 1  BMS 401 Laboratory Research in Biomedical Sciences  BMS 405 Nerve and Muscle-Toxins, Trauma and Disease  BMS 409 Human and Animal Reproductive Biology  BMS 420 Cardiopulmonary Physiology  BMS 425 Introduction to Systems Neurobiology  BMS 430 Endocrinology  BMS 450 Pharmacology  BMS 495 Independent Study 1  BMS 531 Domestic Animal Dissection	Required Courses		
Elective Courses  Select 17 credits from the following: 17  BMS 200 Concepts in Human Anatomy and Physiology  BMS 301 Human Gross Anatomy  BMS 302 Laboratory in Principles of Physiology  BMS 305 Domestic Animal Gross Anatomy  BMS 325 Cellular Neurobiology  BMS 330 Microscopic Anatomy  BMS 345 Functional Neuroanatomy  BMS 384 Supervised College Teaching 1  BMS 401 Laboratory Research in Biomedical Sciences  BMS 405 Nerve and Muscle-Toxins, Trauma and Disease  BMS 409 Human and Animal Reproductive Biology  BMS 420 Cardiopulmonary Physiology  BMS 425 Introduction to Systems Neurobiology  BMS 430 Endocrinology  BMS 450 Pharmacology  BMS 495 Independent Study 1  BMS 531 Domestic Animal Dissection	BMS 300	Principles of Human Physiology	4
Select 17 credits from the following:  BMS 200  Concepts in Human Anatomy and Physiology  BMS 301  Human Gross Anatomy  BMS 302  Laboratory in Principles of Physiology  BMS 305  Domestic Animal Gross Anatomy  BMS 325  Cellular Neurobiology  BMS 330  Microscopic Anatomy  BMS 345  Functional Neuroanatomy  BMS 384  Supervised College Teaching 1  BMS 401  Laboratory Research in Biomedical Sciences  BMS 405  Nerve and Muscle-Toxins, Trauma and Disease  BMS 409  Human and Animal Reproductive Biology  BMS 420  Cardiopulmonary Physiology  BMS 425  Introduction to Systems Neurobiology  BMS 430  Endocrinology  BMS 450  Pharmacology  BMS 495  Independent Study 1  BMS 531  Domestic Animal Dissection	or BMS 360	Fundamentals of Physiology	
BMS 200 Concepts in Human Anatomy and Physiology BMS 301 Human Gross Anatomy BMS 302 Laboratory in Principles of Physiology BMS 305 Domestic Animal Gross Anatomy BMS 325 Cellular Neurobiology BMS 330 Microscopic Anatomy BMS 345 Functional Neuroanatomy BMS 384 Supervised College Teaching 1 BMS 401 Laboratory Research in Biomedical Sciences BMS 405 Nerve and Muscle-Toxins, Trauma and Disease BMS 409 Human and Animal Reproductive Biology BMS 420 Cardiopulmonary Physiology BMS 425 Introduction to Systems Neurobiology BMS 430 Endocrinology BMS 450 Pharmacology BMS 495 Independent Study 1 BMS 531 Domestic Animal Dissection	Elective Courses		
Physiology  BMS 301 Human Gross Anatomy  BMS 302 Laboratory in Principles of Physiology  BMS 305 Domestic Animal Gross Anatomy  BMS 325 Cellular Neurobiology  BMS 330 Microscopic Anatomy  BMS 345 Functional Neuroanatomy  BMS 384 Supervised College Teaching <sup>1</sup> BMS 401 Laboratory Research in Biomedical Sciences  BMS 405 Nerve and Muscle-Toxins, Trauma and Disease  BMS 409 Human and Animal Reproductive Biology  BMS 420 Cardiopulmonary Physiology  BMS 425 Introduction to Systems Neurobiology  BMS 430 Endocrinology  BMS 450 Pharmacology  BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	Select 17 credits from the following:		
BMS 302 Laboratory in Principles of Physiology BMS 305 Domestic Animal Gross Anatomy BMS 325 Cellular Neurobiology BMS 330 Microscopic Anatomy BMS 345 Functional Neuroanatomy BMS 384 Supervised College Teaching <sup>1</sup> BMS 401 Laboratory Research in Biomedical Sciences BMS 405 Nerve and Muscle-Toxins, Trauma and Disease BMS 409 Human and Animal Reproductive Biology BMS 420 Cardiopulmonary Physiology BMS 425 Introduction to Systems Neurobiology BMS 430 Endocrinology BMS 450 Pharmacology BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 200		
BMS 305 Domestic Animal Gross Anatomy BMS 325 Cellular Neurobiology BMS 330 Microscopic Anatomy BMS 345 Functional Neuroanatomy BMS 384 Supervised College Teaching <sup>1</sup> BMS 401 Laboratory Research in Biomedical Sciences BMS 405 Nerve and Muscle-Toxins, Trauma and Disease BMS 409 Human and Animal Reproductive Biology BMS 420 Cardiopulmonary Physiology BMS 425 Introduction to Systems Neurobiology BMS 430 Endocrinology BMS 450 Pharmacology BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 301	Human Gross Anatomy	
BMS 325 Cellular Neurobiology BMS 330 Microscopic Anatomy BMS 345 Functional Neuroanatomy BMS 384 Supervised College Teaching <sup>1</sup> BMS 401 Laboratory Research in Biomedical Sciences BMS 405 Nerve and Muscle-Toxins, Trauma and Disease BMS 409 Human and Animal Reproductive Biology BMS 420 Cardiopulmonary Physiology BMS 425 Introduction to Systems Neurobiology BMS 430 Endocrinology BMS 450 Pharmacology BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 302	Laboratory in Principles of Physiology	
BMS 330 Microscopic Anatomy BMS 345 Functional Neuroanatomy BMS 384 Supervised College Teaching <sup>1</sup> BMS 401 Laboratory Research in Biomedical Sciences BMS 405 Nerve and Muscle-Toxins, Trauma and Disease BMS 409 Human and Animal Reproductive Biology BMS 420 Cardiopulmonary Physiology BMS 425 Introduction to Systems Neurobiology BMS 430 Endocrinology BMS 450 Pharmacology BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 305	Domestic Animal Gross Anatomy	
BMS 345  Functional Neuroanatomy  BMS 384  Supervised College Teaching <sup>1</sup> BMS 401  Laboratory Research in Biomedical Sciences  BMS 405  Nerve and Muscle-Toxins, Trauma and Disease  BMS 409  Human and Animal Reproductive Biology  BMS 420  Cardiopulmonary Physiology  BMS 425  Introduction to Systems Neurobiology  BMS 430  Endocrinology  BMS 450  Pharmacology  BMS 495  Independent Study <sup>1</sup> BMS 531  Domestic Animal Dissection	BMS 325	Cellular Neurobiology	
BMS 384 Supervised College Teaching <sup>1</sup> BMS 401 Laboratory Research in Biomedical Sciences  BMS 405 Nerve and Muscle-Toxins, Trauma and Disease  BMS 409 Human and Animal Reproductive Biology  BMS 420 Cardiopulmonary Physiology  BMS 425 Introduction to Systems Neurobiology  BMS 430 Endocrinology  BMS 450 Pharmacology  BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 330	Microscopic Anatomy	
BMS 401 Laboratory Research in Biomedical Sciences  BMS 405 Nerve and Muscle-Toxins, Trauma and Disease  BMS 409 Human and Animal Reproductive Biology BMS 420 Cardiopulmonary Physiology BMS 425 Introduction to Systems Neurobiology BMS 430 Endocrinology BMS 450 Pharmacology BMS 450 Pharmacology BMS 495 Independent Study  BMS 531 Domestic Animal Dissection	BMS 345	Functional Neuroanatomy	
Sciences  BMS 405  Nerve and Muscle-Toxins, Trauma and Disease  BMS 409  Human and Animal Reproductive Biology  BMS 420  Cardiopulmonary Physiology  BMS 425  Introduction to Systems Neurobiology  BMS 430  Endocrinology  BMS 450  Pharmacology  BMS 450  Pharmacology  BMS 495  Independent Study 1  BMS 531  Domestic Animal Dissection	BMS 384	Supervised College Teaching <sup>1</sup>	
Disease  BMS 409 Human and Animal Reproductive Biology  BMS 420 Cardiopulmonary Physiology  BMS 425 Introduction to Systems Neurobiology  BMS 430 Endocrinology  BMS 450 Pharmacology  BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 401		
BMS 420 Cardiopulmonary Physiology BMS 425 Introduction to Systems Neurobiology BMS 430 Endocrinology BMS 450 Pharmacology BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 405	,	
BMS 425 Introduction to Systems Neurobiology BMS 430 Endocrinology BMS 450 Pharmacology BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 409	Human and Animal Reproductive Biology	
BMS 430 Endocrinology BMS 450 Pharmacology BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 420	Cardiopulmonary Physiology	
BMS 450 Pharmacology BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 425	Introduction to Systems Neurobiology	
BMS 495 Independent Study <sup>1</sup> BMS 531 Domestic Animal Dissection	BMS 430	Endocrinology	
BMS 531 Domestic Animal Dissection	BMS 450	Pharmacology	
	BMS 495	Independent Study <sup>1</sup>	
BMS 575 Human Anatomy Dissection	BMS 531	Domestic Animal Dissection	
	BMS 575	Human Anatomy Dissection	

<sup>&</sup>lt;sup>1</sup> A maximum total of 6 credits earned in BMS 384 and BMS 495 may be used toward the Elective Courses for the Biomedical Sciences minor.

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**Program Total Credits:**