

 FLORIDA ATLANTIC UNIVERSITY	NEW/CHANGE PROGRAM REQUEST Undergraduate Programs		UUPC Approval <u>3-29-21</u> UFS Approval _____ Banner Posted _____ Catalog _____
	Department CESCOS College Biological Science		
Program Name Bachelor of Science with Major in Medical Biology		<input type="checkbox"/> New Program <input checked="" type="checkbox"/> Change Program	Effective Date (TERM & YEAR) Fall 2021
Please explain the requested change(s) and offer rationale below or on an attachment We are requesting to add MCB 4503 Virology to the list of Electives to the Bachelor of Science with Major of Medical Biology. Please see updated catalog entry attached.			
Faculty Contact/Email/Phone Dr. Randy Brooks -wbrooks@fau.edu-561-297-3888		Consult and list departments that may be affected by the change(s) and attach documentation	
Approved by Department Chair <u>Sarah L. Nathan</u> College Curriculum Chair <u>Jerry Haky</u> College Dean <u>ERyle</u> UUPC Chair <u>Jerry Haky</u> Undergraduate Studies Dean <u>Edward Pratt</u> UFS President _____ Provost _____		Date 3-15-2021 3-18-21 3-24-2021 3-29-21 3-29-21 _____ _____	

Email this form and attachments to mjenning@fau.edu one week before the UUPC meeting so that materials may be viewed on the UUPC website prior to the meeting.

Bachelor of Science with Major in Medical Biology (New program effective spring 2021.)

(Minimum of 120 credits required)

The Bachelor of Science (B.S.) with Major in Medical Biology program provides undergraduate preparation for students interested in pursuing professional degrees in medicine, dentistry, pharmacy, veterinary medicine or graduate degrees in the biomedical sciences. In addition to University and college degree requirements, students seeking a B.S. with Major in Medical Biology must complete the following requirements.

Prerequisite Coursework for Transfer Students

Students transferring to Florida Atlantic University must complete lower-division requirements (including the requirements of the [Intellectual Foundations Program](#)) and requirements for the college and major. Lower-division requirements may be completed through the A.A. degree from any Florida public college, university or state college or through equivalent coursework at another regionally accredited institution. Before transferring and to ensure timely progress toward the baccalaureate degree, students must also complete the prerequisite courses for their major as outlined in the [Transition Guides](#).

All courses not approved by the Florida Statewide Course Numbering System that will be used to satisfy requirements will be evaluated individually on the basis of content and will require a catalog course description and a copy of the syllabus for assessment.

Core Requirements (63-64 credits, 25-26 upper-division credits)		
Biochemistry 1	BCH 3033	3
Biological Principles and Lab	BSC 1010, 1010L	4
Biodiversity and Lab	BSC 1011, 1011L	4
General Chemistry 1 and Lab	CHM 2045, 2045L	4
General Chemistry 2 and Lab	CHM 2046, 2046L	4
Organic Chemistry 1	CHM 2210	3
Organic Chemistry 2 and Lab	CHM 2211, 2211L	3
Life Science Calculus or	MAC 2241	4 or
Calculus with Analytic Geometry 1	MAC 2311	4
General Microbiology and Lab	MCB 3020, 3020L	4
Genetics	PCB 3063	4
Cell Biology	PCB 3023	3
Human Morphology and Function 1 and Lab or	PCB 3703, 3703L	4 or
Vertebrate Structure Development and Evolution and Lab	ZOO 4690, 4690L	5
Human Morphology and Function 2 and Lab or	PCB 3704, 3704L	4 or
Comparative Animal Physiology and Lab	PCB 4723, 4723L	4
College Physics 1 or	PHY 2053	3 or
General Physics 1	PHY 2048	3
College Physics 2 or	PHY 2054	4 or
General Physics 2	PHY 2049	4

General Physics 1 Lab	PHY 2048L	1
General Physics 2 Lab	PHY 2049L	1
Experimental Design and Statistical Inference or	PSY 3234	3 or
Introduction to Biostatistics	STA 3173	3

Electives		
Select a minimum of 12 upper-division credits from the list below		
Biochemistry 2 or Biochemistry Lab	BCH 3034 or BCH 3103L	3
Molecular Genetics of Aging	BSC 4022	3
Laboratory Methods in Biotechnology	BSC 4403L	3
Biology of Cancer	BSC 4806	3
Directed Independent Research in Biological Sciences ***	BSC 4910	0-3
Special Topics	BSC 4930	1-3
Comparative Animal Behavior	CBH 4024	3
Introduction to Drug Design	CHM 4273	3
Structural Biochemistry	CHM 4350	3
Directed Independent Study***	CHM 4905	1-4
Senior Seminar	CHM 4930	1
Medical Bacteriology	MCB 4203	3
Virology	MCB 4503	3
Evolution	PCB 3674	3
Principles of Ecology	PCB 4043	3
Genetics Lab	PCB 4067L	3
Immunology	PCB 4233	3
Molecular Genetics	PCB 4522	3
Genes and Development	PCB 4594	3
Cellular Neuroscience and Disease	PCB 4842	3
Practical Cell Neuroscience	PCB 4843C	0-3
Directed Independent Study***	PCB 4905	1-3
Directed Independent Research***	PCB 4915	1-3
Directed Independent Research***	PCB 4916	0-3
Special Topics	PCB 4930	1-8

***Students may enroll in a maximum of 3 research credits within a single semester.

Note: No more than a total of 5 non-graded (S/U) credits may be used to fulfill biology degree program requirements

Directed Independent Research in Biological Sciences	BSC 4910	0-3
Directed Independent Study***	CHM 4905	1-4
Professional Internship	IDS 3949	0-1
Directed Independent Study***	PCB 4905	1-3
Directed Independent Research***	PCB 4915	1-3

Directed Independent Research***	PCB 4916	0-3
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Note: Biology department approval is required for students wishing to complete the Professional Internship for credit. After a student's Professional Internship registration request has been processed by the [FAU Career Center](#), the Career Center will communicate directly with the department to request approval on the student's behalf.

Note: Students wishing to participate in Medical Shadowing Internship should not enroll in Professional Internship. They should instead enroll in Medical Shadowing Internship (IDS 3940). The Medical Shadowing Internship course cannot be used to fulfill biology degree program requirements.

Students can find detailed flight plan information and Intellectual Foundations Program checklists for biology majors through [University Advising Services](#).