



## **BS BIOLOGY with Specialization in Medical Biology**

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# **PROGRAM CATALOG**

**SNA**

**SCHOOL OF NURSING, ALLIED HEALTH,  
AND BIOLOGICAL SCIENCES**

# SLU VISION-MISSION

We envision **Saint Louis University** as an excellent missionary and transformative educational institution zealous in developing locally responsive, globally competitive, and empowered human resources who are creative, competent, socially involved, and imbued with Christian spirit..

## SCHOOL VISION-MISSION

The **School of Nursing, Allied Health and Biological Sciences** envisions herself as the seat of excellence in Nursing, Allied Health and Biological Sciences Education that is dynamic and inspired by a Christian way of living, producing globally competitive and value-laden nurses and health-care professionals in service of humanity.



SCHOOL PROSPECTUS (AY 2023 - 2024)

SNA

SCHOOL OF NURSING, ALLIED HEALTH, AND BIOLOGICAL SCIENCES

# PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after graduation, graduates of BS Biology with Specialization in Medical Biology Program are expected to:

1. uphold the dignity of all life forms exemplifying Christian values in the practice of their profession;
2. apply the methods and techniques of research using native resources to achieve sustainable development goals with emphasis on environmental, health, and socio-economic issues;
3. Exhibit the fundamental knowledge and skills for Biology-related careers, post-graduate studies, and medical school; and
4. participate actively in community activities with commitment, dedication, and concern for others.



# PROGRAM LEARNING OUTCOMES (PLO)

Graduates of the BS Biology with specialization in Medical Biology Program are expected to:

1. demonstrate in-depth knowledge of fundamental biological concepts and skills needed in the conduct of research, in teaching, in biology-based industries and in further studies like medicine and graduate programs.
2. apply basic mathematical and statistical computations and use of appropriate technologies in the analysis of biological and data.
3. use the latest research developments in the specific field of practice to achieve the selected sustainable development goals. (SDG3: Health, SDG4: Quality Education, SDG13: Climate Change).
4. effectively communicate biological knowledge using both English and Filipino languages in oral and written forms.
5. work effectively and independently in multi-disciplinary and multi-cultural teams.
6. promote Filipino historical and cultural heritage through biological research and applications to achieve sustainable cities and communities (SDG11: Sustainable cities and communities).
7. exhibit professional, social, and ethical responsibility, especially in practicing intellectual property rights.
8. participate in the conservation, protection, and sustainability of our finite natural resources.
9. practice Christian values in their personal and professional endeavors as Louisians in the service of the CICM mission.



# CURRICULUM

Saint Louis University School of Nursing, Allied Health and Biological Sciences <b>BACHELOR OF SCIENCE IN BIOLOGY</b> <b>WITH SPECIALIZATION IN MEDICAL BIOLOGY (BS BIOL-MB)</b> Effective Academic Year 2023 - 2024				
ID NO. : _____				
NAME : _____				
Family NameFirst NameMiddle Name				
COURSE NO.	DESCRIPTIVE TITLE	UNITS	CO / PRE-REQUISITES	
<b>1st Semester</b>				
CFE 101	God's Journey with His People	3		
FIT HW	Physical Activity Towards Health and Fitness (Health and Wellness)	2		
GHIST	Readings in Philippine History	3		
GIT	Living in the IT Era	3		
GSELF	Understanding the Self	3		
MBiol 111	General Botany (LEC)	3		
MBiol 111L	General Botany (LAB)	2		
MBiol 112	Organic Molecules (LEC)	3		
MBiol 112L	Organic Molecules (LAB)	2		
		<b>TOTAL</b>	<b>24</b>	
<b>2nd Semester</b>				
CFE 102	Christian Morality in our Times	3		
FIT CS	Physical Activity Towards Health and Fitness (Combative Sports)	2		
GCWORLD	The Contemporary World	3		
GENVI	Environmental Science	3		
GMATH	Mathematics in the Modern World	3		
MBiol 121	General Physiology (LEC)	3		
MBiol 121L	General Physiology (LAB)	2		MBiol 111
MBiol 122	General Zoology (LEC)	3		
MBiol 122L	General Zoology (LAB)	2		
		<b>TOTAL</b>	<b>24</b>	
<b>Short Term</b>				
GRIZAL	The Life and Works of Rizal	3		
GSTS	Science, Technology, and Society	3		
NSTP-CWTS 1	Foundations of Service	3		
		<b>TOTAL</b>	<b>9</b>	

1<sup>ST</sup> YEAR

<b>1st Semester</b>				
CFE 103	Catholic Foundation of Mission	3		
FIT AQ	Physical Activity Towards Health and Fitness (Aquatics)	2		
GART	Art Appreciation	3		
GENTREP	The Entrepreneurial Mind	3		
GETHICS	Ethics	3		
MBiol 211	Biomolecules (LEC)	3		
MBiol 211L	Biomolecules (LAB)	2		MBiol 112
MBiol 212	General Microbiology and Parasitology (LEC)	3		
MBiol 212L	General Microbiology and Parasitology (LAB)	2		
		<b>TOTAL</b>	<b>24</b>	
<b>2nd Semester</b>				
CFE 104	CICM Missionary Identity	3		CFE 103
FIT OA	Physical Activity Towards Health and Fitness (Outdoor and Adventure Activities)	2		
GPCOM	Purposive Communication	3		
MBiol 221	Systematic Biology (LEC)	3		
MBiol 221L	Systematic Biology (LAB)	2		MBiol 111 & 122
MBiol 222	General Ecology (LEC)	3		
MBiol 222L	General Ecology (LAB)	2		GENVI
NSTP-CWTS 2	Social Awareness & Empowerment for Service	3		NSTP-CWTS 1
		<b>TOTAL</b>	<b>21</b>	
<b>Short Term</b>				
MBiol 231	Biological Physics (LEC)	3		
MBiol 231L	Biological Physics (LAB)	2		GMATH & MBiol 121
MBiol 232	Statistical Biology (LEC)	2		
MBiol 232L	Statistical Biology (LAB)	2		GMATH
		<b>TOTAL</b>	<b>9</b>	

2<sup>ND</sup> YEAR

COURSE NO.	DESCRIPTIVE TITLE	UNITS	CO / PRE-REQUISITE
<b>1st Semester</b>			
MBiol 311	Cell and Molecular Biology (LEC)	3	MBiol 211 & 232
MBiol 311L	Cell and Molecular Biology (LAB)	2	
MBiol 312	Molecular Genetics (LEC)	3	MBiol 211
MBiol 312L	Molecular Genetics (LAB)	2	
MBiol 313	Biology Research 1 (LEC)	1	MBiol 231 & 232
MBiol 313L	Biology Research 1 (LAB)	2	
CFE 105A	CICM in Action: Justice, Peace, Integrity of Creation, Indigenous Peoples, and Interreligious Dialogue	1.5	CFE 104
		<b>TOTAL</b>	<b>14.5</b>
<b>2nd Semester</b>			
MBiol 321	Developmental Biology (LEC)	3	
MBiol 321L	Developmental Biology (LAB)	2	MBiol 312
MBiol 322	Evolutionary Biology (LEC)	3	MBiol 221 & 312
MBiol 322L	Evolutionary Biology (LAB)	2	
MBiol 323	Medical Entomology	3	MBiol 222
MBiol 324	Biology Research 2 (LEC)	1	MBiol 313
MBiol 324L	Biology Research 2 (LAB)	2	
CFE 105B	CICM in Action: Environmental Planning and Management and Disaster Risk Reduction Management	1.5	CFE 105A
		<b>TOTAL</b>	<b>17.5</b>
<b>Short Term</b>			
MBiol Practicum	Biology On-The Job Training (150 Hours)	3	MBiol 324
		<b>TOTAL</b>	<b>3</b>

3<sup>RD</sup> YEAR

<b>1st Semester</b>				
CFE 106A	Embracing the CICM Mission	1.5		CFE 105B
MBiol 411	Medical Histology (LEC)	3		MBiol 321
MBiol 411L	Medical Histology (LAB)	2		
MBiol 412	Human Anatomy and Physiology 1 (LEC)	3		MBiol 311
MBiol 412L	Human Anatomy and Physiology 1 (LAB)	2		
MBiol 413	Epidemiology	3		MBiol 232 & 323
		<b>TOTAL</b>	<b>14.5</b>	
<b>2nd Semester</b>				
CFE 106B	Embracing the CICM Mission	1.5		CFE 106A
MBiol 421	Medical Bacteriology, Mycology and Virology (LEC)	3		MBiol 212 & 413
MBiol 421L	Medical Bacteriology, Mycology and Virology (LAB)	2		
MBiol 422	Medical Parasitology (LEC)	3		MBiol 212 & 413
MBiol 422L	Medical Parasitology (LAB)	2		
MBiol 423	Human Anatomy and Physiology 2 (LEC)	3		MBiol 412
MBiol 423L	Human Anatomy and Physiology 2 (LAB)	2		
		<b>TOTAL</b>	<b>16.5</b>	
<b>TOTAL UNITS : 176</b>				
<b>RETENTION POLICY:</b> Biology Students who failed or dropped more than 45% of their semestral load will not be allowed to pursue their BS Biology course at SLU.				
<b>SHIFTERS &amp; TRANSFEREES :</b> Shifters and transferees are allowed to enroll in the BS Biology Program provided that passing percentage is 55% and above (based on last term/semester grade).				

4<sup>TH</sup> YEAR



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# ADMISSION POLICIES

## Freshman Students

- All undergraduate freshman applicants must pass the SLU College Entrance Examination (SLU-CEE) and must qualify within the slots duly determined for their chosen course. The regular SLU-CEE is conducted during weekends from the middle of October up to the middle of December. Admission for the first semester starts at the middle of April.

## Transfer Students

- They must undergo a Qualifying Examination (QE) and if qualified, will take the Personality Test and Interview. Foreign students applying as transferee are subject to the English Proficiency Test (EPT) rule.



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# ADMISSION POLICIES

## Foreign Students

- Foreign students should apply not later than 6 months before the start of the academic term. Moreover, they should be in Baguio City at least 4 weeks before the start of classes of the academic term for them to take the EPT as well as SLU-CEE / QE / GPPE, and Personality Test.
- Foreign students applying for the first time either in the undergraduate or graduate program should initially possess satisfactory proficiency in English and have passed the EPT as well as the pertinent entrance examination and Personality Test. Before enrolling, they undergo Preadmission Processing at the Student Affairs Office.
- Foreign students must secure a valid Student Visa. There are two options in securing a Student Visa. For related information, consult Foreign Student section of the Registrar's Office.



# SCHEDULE OF FEES

FIRST YEAR TUITION FEE AS OF AY 2023 - 2024		
PROGRAM	PARTIAL	FULL
BS BIOLOGY	P11, 805.00	P31,481.00
FEES LISTED PER SEMESTER AND ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		



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# JOB OPPORTUNITIES

(WHERE DOES THE PROGRAM TAKE YOU?)

- A Bachelor of Science in Biology with a specialization in medical biology can open up various job opportunities in the field of healthcare and life sciences. Here are some potential career paths and job opportunities for individuals with this degree:
  - **Medical Laboratory Technicians/ Technologists** – in clinical laboratories in hospitals, clinics, and diagnostic centers
  - **Clinical Research Coordinators** – of clinical trials and research studies in healthcare settings
  - **Pharmaceutical Sales Representatives** – in promoting and selling pharmaceutical products to healthcare professionals, including doctors and pharmacists.



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# JOB OPPORTUNITIES

(WHERE DOES THE PROGRAM TAKE YOU?)

- **Healthcare Administrators** – in managing the operations of healthcare facilities, such as hospitals and clinics.
- **Quality Assurance Specialists** – in ensuring that products, services, and processes meet quality standards and regulatory requirements in the healthcare and pharmaceutical industries
- **Medical Writers**
- **Biotechnology Research Associates**
- **Health Educators**
- **Genetics Counselors**
- **Healthcare consultant**



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# JOB OPPORTUNITIES

(WHERE DOES THE PROGRAM TAKE YOU?)

- **Pharmaceutical Research Assistant** – in assisting in the development of new drugs and therapies by conducting experiments, data analysis, and laboratory work.
- **Medical Sales Specialists**
- **Public Health Analysts** – in working with public health agencies to collect and analyze data, monitor health trends, and develop strategies for improving community health.
- **Regulatory Affairs Specialists** - in ensuring that medical products and procedures comply with government regulations and industry standards.



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# VISIT US:

## DEAN'S OFFICE

- Room 402, 4<sup>th</sup> floor, Rizal Building  
Saint Louis University  
Bonifacio St., Baguio City

# REACH US:

## OFFICIAL FACEBOOK PAGE

- SLU - Biology Society
- <https://www.facebook.com/SLU.BSbiology>

# REACH US:

## EMAIL

- [sonahbsdean@slu.edu.ph](mailto:sonahbsdean@slu.edu.ph)
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## CALL US:

- 074 444 8246 – 48 (loc 221 and loc 269)



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