



SAINT LOUIS
UNIVERSITY
BAGUIO CITY, PHILIPPINES

BIOLOGY

PROGRAM CATALOG





SLU VISION-MISSION

"Saint Louis University is envisioned as an excellent missionary and transformative educational institution zealous in developing human resources imbued with Christian Spirit and who are creative, competent and socially involved. "

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.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after graduation, graduates of BS 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 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 (SDG 3, SDG 4, SDG 13);
3. use the latest research developments in the specific field of practice to achieve the selected sustainable development goals;
4. communicate effectively 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 research and applications to achieve Sustainable cities and communities (SDG 11);
7. exhibit professional, social, and ethical responsibility, especially in practicing intellectual property rights;
8. participate in the conversation, protection, and sustainability of our finite natural resources; and
9. practice Christian values in their personal and professional endeavors as Louisians in the service of the CICM mission.



CURRICULUM

COURSE NO.	DESCRIPTIVE TITLE	UNIT S	CO / PRE-REQUISITES
1st Semester			
Biol 111	General Botany (LEC)	3	
Biol 111L	General Botany (LAB)	2	
Biol 112	Organic Molecules (LEC)	3	
Biol 112L	Organic Molecules (LAB)	2	
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	
TOTAL		24	
2nd Semester			
Biol 121	Analytical Methods for Biology (LEC)	3	Biol 112
Biol 121L	Analytical Methods for Biology (LAB)	2	Biol 112
Biol 122	General Zoology (LEC)	3	
Biol 122L	General Zoology (LAB)	2	
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	
TOTAL		24	
Short Term			
GRIZAL	The Life and Works of Rizal	3	
GSTS	Science, Technology, and Society	3	
NSTP-CWTS 1	Foundations of Service	3	
TOTAL		9	

COURSE NO.	DESCRIPTIVE TITLE	UNIT S	CO / PRE-REQUISITES
1st Semester			
Biol 311	Evolutionary Biology (LEC)	3	Biol 221,222,231 & 232
Biol 311L	Evolutionary Biology (LAB)	2	Biol 221,222,231 & 232
Biol 312	Molecular Genetics (LEC)	3	Biol 211, 231 & 232
Biol 312L	Molecular Genetics (LAB)	2	Biol 211, 231 & 232
Biol 313	Invertebrate Zoology (LEC)	3	Biol 221 & 222
Biol 313L	Invertebrate Zoology (LAB)	2	Biol 221 & 222
Biol 314	Economic Biology	3	Biol 221 & 222 & GENTREP
CFE 105A	CICM in Action: Justice, Peace, Integrity of Creation, Indigenous Peoples, and Interreligious Dialogue	1.5	CFE 103 & CFE 104
TOTAL		19.5	
2nd Semester			
Biol 321	Plant and Animal Developmental Biology (LEC)	3	Biol 311 & 312
Biol 321L	Plant and Animal Developmental Biology (LAB)	2	Biol 311 & 312
Biol 322	General Histology & Histotechnique (LEC)	3	Biol 312
Biol 322L	General Histology & Histotechnique (LAB)	2	Biol 312
Biol 323	Vertebrate Zoology (LEC)	3	Biol 311 & 313
Biol 323L	Vertebrate Zoology (LAB)	2	Biol 311 & 313
Biol 324	Entomology	3	Biol 313
CFE 105B	CICM in Action: Environmental Planning and Management and Disaster Risk Reduction Management	1.5	CFE 105A
TOTAL		19.5	
Short Term			
Biol Practicum	Biology On-The Job Training (160 Hours)	3	Biol 321,322 & 323
Biol 331	Biology Research 1 (LEC)	1	Biol 321,322 & 323
Biol 331L	Biology Research 1 (LAB)	1	Biol 321,322 & 323
TOTAL		5	

COURSE NO.	DESCRIPTIVE TITLE	UNIT S	CO / PRE-REQUISITES
1st Semester			
Biol 211	Biomolecules (LEC)	3	Biol 121
Biol 211L	Biomolecules (LAB)	2	Biol 121
Biol 212	General Microbiology & Parasitology (LEC)	3	Biol 111 & 122
Biol 212L	General Microbiology & Parasitology (LAB)	2	Biol 111 & 122
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	
TOTAL		24	
2nd Semester			
Biol 221	Systematic Biology (LEC)	3	Biol 212, 211 & GENVI
Biol 221L	Systematic Biology (LAB)	2	Biol 212, 211 & GENVI
Biol 222	General Ecology (LEC)	3	Biol 212 & GENVI
Biol 222L	General Ecology (LAB)	2	Biol 212 & GENVI
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	
NSTP-CWTS 2	Social Awareness & Empowerment for Service	3	NSTP-CWTS 1
TOTAL		21	
Short Term			
Biol 231	Biological Physics (LEC)	3	Biol 221, 222 & GMATH
Biol 231L	Biological Physics (LAB)	1	Biol 221, 222 & GMATH
Biol 232	Statistical Biology (LEC)	2	GMATH
Biol 232L	Statistical Biology (LAB)	1	GMATH
TOTAL		7	

COURSE NO.	DESCRIPTIVE TITLE	UNIT S	CO / PRE-REQUISITES
1st Semester			
Biol 411	Biology Research 2 (LEC)	1	Biol 331
Biol 411L	Biology Research 2 (LAB)	1	Biol 331
Biol 412	Cell and Molecular Biology (LEC)	3	Biol 321 & 322
Biol 412L	Cell and Molecular Biology (LAB)	2	Biol 321 & 322
Biol 413	General Physiology (LEC)	3	Biol 321,322 & 323
Biol 413L	General Physiology (LAB)	2	Biol 321,322 & 323
Biol 414	Methods of Teaching Biology	3	Biol 321,322 & 323
Biol 415	Fungal Biology	3	Biol 321
CFE 106A	Embracing the CICM Mission	1.5	CFE 105B
TOTAL		19.5	
2nd Semester			
Biol 421	Biology Research 3 (LEC)	1	Biol 411, 412 & 413
Biol 421L	Biology Research 3 (LAB)	1	Biol 411, 412 & 413
Biol 422	Plant Physiology (LEC)	3	Biol 411, 412 & 413
Biol 422L	Plant Physiology(LAB)	2	Biol 411, 412 & 413
Biol 423	Human Anatomy & Physiology (LEC)	3	Biol 411, 412 & 413
Biol 423L	Human Anatomy & Physiology (LAB)	2	Biol 411, 412 & 413
Biol 424	Applied Biotechnology (LEC)	3	Biol 411, 412 & 413
Biol 424L	Applied Biotechnology (LAB)	2	Biol 411, 412 & 413
CFE 106B	Embracing the CICM Mission	1.5	CFE 106A
TOTAL UNITS : 191			



ADMISSION POLICIES

Saint Louis University welcomes local and foreign students alike, subject to University admission Policies, requirements, and academic standards and pertinent laws of the Republic of the Philippines

Undergraduate 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

- SLU admits transferees in all courses except Bachelor in Medical Laboratory Science subject to their compliance with pertinent requirements and guidelines. 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.

Graduate Program Students

- The applicant must have finished the prerequisite degree/s prior to acceptance to the Graduate Program;
- For a Master's degree, the applicant must have a Baccalaureate degree from an institution of recognized standing
- For a Doctorate degree, the applicant must have a Master's degree in related fields from an institution of recognized standing.

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 2022 - 2023		
COURSE	PARTIAL	FULL
BS BIO	P 10,700.00	P 28,742.00






FEES LISTED PER SEMESTER AND ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



JOB OPPORTUNITIES (WHERE DOES THE PROGRAM TAKE YOU?)

- Biotechnologist
- Marine biologist
- Nature conservation officer
- Pharmacologist
- Research scientist
- Zoologist
- Anatomical pathology technologist
- Academic researcher

CONTACT INFO

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-  SLU School of Nursing, Allied Health, and Biological Sciences
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