

Biological Systematics track

The program offers a four-year Bachelor of Science in Biology (BS BIO) curriculum major in Biological Systematics (SYS) designed to broaden the students' knowledge and skills in biological sciences enabling them to qualify for a course in Medical Science or Doctor of Medicine. This will also prepare a graduate coursework in Biology specializing in plant, animal, molecular and microbial systematics. The BS BIO-SYS track also prepares students to function effectively in a variety of technical, ecological and environmental research settings.

A practicum is a part of the BS BIO-SYS curriculum which is geared towards students' exposure to the actual working environment. This is a training that provides students the necessary skills needed as systematic biologists, researcher and instructor. Students' research skills are developed by training them in appropriate research methodologies. A research colloquium is part of the curriculum where students will showcase their research outputs.

First Year

First Semester

BIO1101 – Organic Chemistry (Lecture)

BIO1102 – Organic Chemistry (Laboratory)

BIO1201 – General Botany (Lecture)

BIO1202 – General Botany (Laboratory)

GED0101 – College Academic Skills in English

GED0103 – Mathematics in the Modern World

GED0105 – Wika, Kultura at Lipunan

NST0101 – National Service Training Program 1

WRP0101 – Wellness and Recreation Program 1

Total units: 22.5

Second Semester

BIO1103 – Analytical Chemistry (Lecture)

BIO1104 – Analytical Chemistry (Laboratory)

BIO1203 – General Zoology (Lecture)

BIO1204 – General Zoology (Laboratory)

GED0108 – Retorika at Panitikan ng Pilipinas

GED0109 – Speech Communication

GED0110 – Understanding the Self

NST0102 – National Service Training Program 2

WRP0102 – Wellness and Recreation Program 2

Total units: 22.5

Second Year

First Semester

BIO1105 – Biochemistry (Lecture)

BIO1106 – Biochemistry (Laboratory)

BIO1205 – Systematics Biology (Lecture)

BIO1206 – Systematics Biology (Laboratory)

GED0104 – Science, Technology and Society

GED0111 – Purposive Communication

GED0112 – Scholarly Inquiry

GED0113 – The Filipino in the Contemporary World

WRP0103 – Wellness and Recreation Program 3

Total units: 23.5

Second Semester

BIO1207 – Cell Biology (Lecture)

BIO1208 – Cell Biology (Laboratory)

BIO1209 – Comparative Anatomy and Phylogeny of Vertebrates (Lecture)

BIO1210 – Comparative Anatomy and Phylogeny of Vertebrates (Laboratory)

GED0106 – Art Appreciation

GED0107 – Readings in Philippine History

GED0114 – Applied Ethics in Contemporary Times

GED0115 – Pag-aaral ng Wika at Kulturang Rehiyonal

WRP0104 – Wellness and Recreation Program 4

Total units: 23.5

Third Year

First Semester

BIO1107 – Biophysics (Lecture)

BIO1108 – Biophysics (Laboratory)

BIO1109 – Biostatistics (Lecture)

BIO1110 – Biostatistics (Laboratory)

BIO1211 – Evolutionary Biology (Lecture)

BIO1212 – Evolutionary Biology (Laboratory)

BIO1215 – Genetics (Lecture)

BIO1216 – Genetics (Laboratory)

BIO1223 – General Physiology (Plants and Animals) (Lecture)

BIO1224 – General Physiology (Plants and Animals) (Laboratory)

WRP0105 – Wellness and Recreation Program 5

Total units: 23.5

Second Semester

BIO1217 – Developmental Biology (Plants and Animals) (Lecture)

BIO1218 – Developmental Biology (Plants and Animals) (Laboratory)

BIO1219 – Ecology (Lecture)

BIO1220 – Ecology (Laboratory)

BIO1221 – Microbiology (Lecture)

BIO1222 – Microbiology (Laboratory)

BIO1301 – Thesis I

GED0102 – The Life and Works of Rizal

WRP0106 – Wellness and Recreation Program 6

Total units: 22.5

Summer Term

BIO1401 – Practicum

Total units: 3

Fourth Year

First Semester

BIO1302 – Thesis II

BMC1105 – Microbial Systematics (Lecture)

BMC1106 – Microbial Systematics (Laboratory)

BSB1101 – Bioinformatics (Lecture)

BSB1102 – Bioinformatics (Laboratory)

BSB1103 – Molecular Systematics (Lecture)

BSB1104 – Molecular Systematics (Laboratory)

BSB1201 – Biogeography

WRP0107 – Wellness and Recreation Program 7

Total units: 21.5

Second Semester

BIO1303 – Thesis III

BSB1105 – Animal Systematics (Lecture)

BSB1106 – Animal Systematics (Laboratory)

BSB1107 – Plant Systematics (Lecture)

BSB1108 – Plant Systematics (Laboratory)

BSB1109 – Population Genetics (Lecture)

BSB1108 – Population Genetics (Laboratory)

BSB1202 – Conservation Biology

WRP0108 – Wellness and Recreation Program 8

Total units: 21.5

Total program units: 184