

Bachelor of Science (Biotechnology) - March 2021 Intake

	Mar 2021 (SEM1)	September 2021 (SEM2)
Year 1	BIO10001 Concepts of Biology	NPS10001 Introduction to e-Science
	CHE10001 Chemistry 1	BIO10003 Concepts of Biotechnology
	STA10003 Foundation of Statistics	MTH10010 Essential Mathematics
	PHY10001 Energy and Motion	HES10005 Consumer Chemistry or Approved elective
	February 2022 (SEM3)	September 2022 (SEM4)
Year 2	BCH20002 Introduction to Biochemistry	BCH20001 Biochemistry of Genes and Proteins
	BIO20002 The Microbial World	NPS20005 Communication for Scientists
	PEH20002 Food Science or Approved elective	BIO30005 Microbes in the Environment
	COS10009 Introduction to Programming or Approved elective	COS10081 Introduction to Data Science or Approved elective
	February 2023 (SEM5)	September 2023 (SEM6)
Year 3	BCH30003 Advanced Biochemistry	BIO30004 Molecular Biotechnology
	BIO30009 Applications of Bioinformatics	NPS30003 Grand Challenges in Science
	NPS30002 Research Skills in Science	HES2205 Aquatic Biotechnology or Approved elective
	COS20083 Advanced Data Analytics or Approved elective	COS30045 Data Visualization or Approved elective

Core units
Major units
Elective units
Units for Data Science Minor

LIST OF ELECTIVE UNITS FOR BIOTECHNOLOGY STUDENTS

Students are to consult their Discipline Leader for Elective selection guide.

Science Electives

Unit Code	Unit Name	Pre-requisite	Semester offered
PEH20002	Food Science	CHE10001 or CEE20005 or equivalent	S1
HES3405	Natural Products	CHE10001 or CEE20005 or equivalent	S1
HES2210	Industrial Microbiology	BIO20002	S1
ENV30001	Environmental Biology	CHE10001 and BIO10001, and any of these: CHE10002, BIO20002, BCH20002	S1
CHE10005	Consumer Chemistry	CHE10001 or CEE20005 or equivalent	S2
PEH20006	Water Science	CHE10001 or CEE20005 or equivalent	S2
HES2205	Aquatic Biotechnology	150 credit points of study	S2
PEH20004	Build and Sustainable Communities	Nil	S2
ENV30003	Environmental Management	100 credit points of study	S2
NPS10002	Research and Development Project 1	150 credit points of study	Summer
NPS20006	Research and Development Project 2	150 credit points of study	Winter
PEH20005	Communicable Disease Control	Nil	Winter

Non-Science Electives

Unit Code	Unit Name	Pre-requisite	Semester offered
COS10009	Introduction to programming	Nil	S1,S2
COS10081	Introduction to data science	Nil	S1, S2
COS20083	Advanced data analytics	COS10009 and COS10081	S1
COS30045	Data visualisation	COS10009	S2
MGT10001	Introduction to management	Nil	S2
COM10007	Professional Communication Practice	Nil	S2
MKT10001	Fundamentals of marketing	Nil	Summer & Winter