

BS WITH 2ND MAJOR IN FUTURE FOODS
TRACK 2 (NTU Based)
Suggested study plan for AY2024-25 Intake (BSFF)

Programme	Year of Study	Number of Academic Units (AU)					
		Major Requirement		Interdisciplinary Collaborative Core		Broadening and Deepening Electives (BDE)	Total
		Core (C)	Major PE (MPE)	Common Core (CC)	Foundational Core (FC)		
Biological Science with Second Major in FF_Track 2 (NTU Based)	1	27		7			34
	2	12	3	10	5	12	42
	3		12 [6]		10	9	31
	4		18			12	30
	Total	39	33 [6]	17	15	33	137

[] AU of courses that could be used to fulfill both MPE requirement and 2nd major in FF requirements concurrently.

Year 1	Sem 1	Type	Course Code	Course Title	AU
		Core	BS1012	Foundations of Chemistry I	3
		Core	BS1016	Physiology	3
		Core	BS1008	Biostatistics	3
		ICC (Common Core)	CC0001	Inquiry and Communication in an Interdisciplinary World	2
		ICC (Common Core)	CC0003	Ethics & Moral Reasoning in a Multi-Cultural World	2
		ICC (Common Core)	CC0005	Healthy Living & Well-being	3
				Total	16
Year 1	Sem 2	Type	Course Code	Course Title	AU
		Core	BS1013	Foundations of Chemistry II	3
		Core	BS1005	Biochemistry I	3
		Core	BS1006	Principles of Genetics	3
		Core	BS1007	Molecular and Cell Biology I	3
		Core	BS1009	Introduction to Computational Thinking	3
		Core	BS1100	Molecular and Cell Biology Techniques Level 1	3
				Total	18

Year 2	Sem 1	Type	Course Code	Course Title	AU
		Core	BS2002	Microbiology	3
		Core	BS2003	Biochemistry II	3
		Core	BS2028	Instrumentation for the Analysis of Biological Systems	3
		ICC (Common Core)	BS0004	Introduction to Data Science	3
		ICC (Common Core)	CC0007	Science & Technology for Humanity	3
		BDE	CM5101	Food Chemistry & Nutrition	3
		BDE	XXXX	Second Major Elective 1	3
				Total	21
Year 2	Sem 2	Type	Course Code	Course Title	AU
		Core	BS2004	Molecular & Cell Biology II	3
		ICC (Common Core)	ML0004	Career & Entrepreneurial Development for the Future World	2
		ICC (Common Core)	CC0006	Sustainability: Human, Social, Economic & Environment	3
		ICC (Common Core)	CC0002	Navigating the Digital World	2
		ICC (Common Core)	HW0218	Communication Across the Sciences	2
		BDE	CH5220	Food Standard - Food Safety and Risk Assessment	3
		MPE	BSxxxx	BSxxxx	3
		Any	BDE (Free)	BDE	3
				Total	21
Year 3	Sem 1	Type	Course Code	Course Title	AU
		BS	BSxxxx	MPE	3
		BS	BSxxxx	MPE	3
		MPE	BS4010^	Synthetic Biology	3
		MPE	BS4015^	Plant Biotechnology	3
		BDE	XXXX	Second Major Elective 2	3
		BDE	XXXX	MOOC/ Any BDE (Online)	3
				Total	18
Year 3	Sem 2	Type	Course Code	Course Title	AU
		ICC (Professional Series)	BS4227	Professional Internship	10
		BDE	Any	MOOC/ Any BDE (Online)	3
					13
Recommended to read MOOC to clear BDE AU.					
Year 4	Sem 1	Type	Course Code	Course Title	AU
		MPE	BS4021**	Bi-Semestral FYP	12 (6)
		MPE	BSxxxx	MPE	3
		MPE	BSxxxx	MPE	3

		BDE	CH5210	Food Process Technologies and New Production Systems	3
		BDE	XXXX	Second Major Elective 3	3
				Total	18
Year 4	Sem 2	Type	Course Code	Course Title	AU
		MPE	BS4021**	Bi-Semestral FYP	12 (6)
		BDE	CH5211	Data Analytics in Food Systems	3
		BDE	CH5222	Future Foods – Introduction to Advanced Meat Alternatives	3
					12
				Total AU	137

^Counted towards 2nd Major in Future Foods requirement (total 6 AU)

** BS4021 Bi-Semestral FYP will be carried out across 2 semesters (year 4 semester 1 and 2). Students will be credited a total of 12AU under MPE course type upon completion in year 4 sem 2. (6)AU is an indication that the Bi-Semestral FYP is spread across 2 semesters only.

MOOC Policy: The maximum number of AUs that you can transfer is 12 AUs throughout your candidature in NTU. Read <https://www.ntu.edu.sg/admissions/matriculation/mooc> for more information.