



**BACHELOR OF TECHNOLOGY HEALTH SCIENCE
(NATUROPATHY AND HOLISTIC HEALTH SCIENCE)
CURRICULUM FOR NDS**

Regulatory Requirement for B. Tech is 180 Credit x 30 Clock Hours = 5,400 Clock hours

Number Weeks per Semester: 17

Eg: 3 credit per week x 17 weeks = **51 Clock hours**

Year 1, Semester I		General Area of Competence		Credits	Clock Hours <i>(Credit hrs x 17 weeks)</i>
BTHS 101	Y1, S1	Anatomy I	Mandatory	3	51
BTHS 102		Physiology I	Mandatory	3	51
BTHS 105		Chemistry & Clinical Biochemistry I	Mandatory	3	51
BTHS 107		Pathology I	Mandatory	3	51
BTHS 103		First Aid & Emergency Medicine	Mandatory	3	51
BTHS 106		Healing systems of the World	Mandatory	3	51
BTHS108		Naturopathic History, Philosophy Principles and Theories I	Mandatory	4	68
BTHS104		Medical Terminology	Mandatory	2	34
			Total (Mandatory)	24	408
Year 1, Semester II					
BTHS 111	Y1, S2	Anatomy II	Mandatory	3	51
BTHS 112		Physiology II	Mandatory	3	51
BTHS 117		Pathology II	Mandatory	3	51
BTHS115		Chemistry & Clinical Biochemistry II	Mandatory	3	51
BTHS 118		Microbiology & Parasitology	Mandatory	3	51
BTHS 116		Clinical Examination/doctoring skills	Mandatory	3	51

	BTHS 110		Naturopathic History, Philosophy Principles and Theories II	Mandatory	4	68
	BTHS 119		Pharmacology & Pharmacotherapeutics	Mandatory	2	34
				Total (Mandatory)	24	408
			Vacation Clinical Training (480hrs)			
			Vacation Clinical Training (Biomedical Practice) [1 month = 4 weeks]	(8 hrs x 5 days) x 4 weeks		160hrs
			Vacation Clinical Training (Naturopathic Practice) [2 months = 8 weeks]	(8hrs x 5 days) x 8 weeks		320hrs
						480hrs
Year 2, Semester I						
	BTHS 201	Y2, S3	Health Communication and life style counselling	Mandatory	3	51
	BTHS 202	Y2, S3	Public Health & Health Promotion	Mandatory	2	34
	BTHS 203	Y2, S3	Laboratory Investigation I	Mandatory	3	51
	BTHS 204	Y2, S3	Naturopathic History, Philosophy Principles and Theories III	Mandatory	4	68
	BTHS 205	Y2, S3	Biostatistics and Bioinformatics	Mandatory	3	51
	BTHS 206	Y2, S3	Neuroscience	Mandatory	3	51
	BTHS 207	Y2, S3	Medical humanities <ul style="list-style-type: none"> ➤ Introduction to Psychology & Psychosocial Counselling ➤ Clinical Reasoning & Critical Thinking ➤ Introduction to Sociology and Anthropology ➤ Humanism in Health and Healthcare 	Mandatory	2	34
	BTHS 208	Y2, S3	Internal Medicine I <ul style="list-style-type: none"> ➤ Cytology ➤ Immunology ➤ Hematology ➤ Cardiology ➤ Pulmonology ➤ Gastroenterology 		3	51

			➤ Dermatology			
				Total (Mandatory)	23	391
Year 2, Semester II						
	BTHS 211	Y2,S4	Histology and Embryology	Mandatory	3	51
	BTHS 212	Y2,S4	Medical Imaging	Mandatory	3	51
	BTHS 213	Y2,S4	Naturopathic Assessment and Diagnosis	Mandatory	3	51
	BTHS 215	Y2,S4	Applied Nutrition	Mandatory	3	51
	BTHS 214	Y2,S4	Clinical Naturopathy I <ul style="list-style-type: none"> ➤ Naturopathic approach to cardiology ➤ Naturopathic approach to hematology ➤ Naturopathic approach to immunology ➤ Naturopathic approach to urology ➤ Naturopathic approach to other systems etc 	Mandatory	3	51
	BTHS 216	Y2,S4	Laboratory Investigations II	Mandatory	3	51
	BTHS 217	Y2,S4	Entrepreneurship and Health Administration	Mandatory	3	51
	BTHS 218	Y2,S4	Internal Medicine II <ul style="list-style-type: none"> ➤ Orthopedic & Rheumatology ➤ Dentistry ➤ Endocrinology ➤ Neurology ➤ Nephrology ➤ Otorhinolaryngology ➤ Ophthalmology 	Mandatory	3	51
				Total (Mandatory)	24	408
			Master Class session: Minor Surgery	Mandatory	Non-Credit	
			Vacation Clinical Training (480hrs)			
			Vacation Clinical Training (Biomedical Practice) [1 month = 4 weeks]	(8 hrs x 5 days) x 4 weeks		160hrs
			Vacation Clinical Training (Naturopathic Practice) [2 months = 8 weeks]	(8hrs x 5 days) x 8 weeks		320hrs
				Total		480hrs

Year 3, semester I						
	BTHS 301	Y3, S5	Clinical Naturopathy II ➤ Naturopathic approach to Geriatrics ➤ Naturopathic approach to pediatric ➤ Naturopathic approach to Gynecology	Mandatory	3	51
	BTHS 302	Y3, S5	Clinical Nutrition I	Mandatory	3	51
	BTHS 303	Y3, S5	Homeopathic Medicine I	Mandatory	3	51
	BTHS 305	Y3, S5	Herbal Medicine I	Mandatory	3	51
	BTHS 306	Y3, S5	Naturopathic Physical Medicine I	Mandatory	3	51
	BTHS 304	Y3, S5	Detoxification, Hydrotherapy and Toxicology I	Mandatory	3	51
	BTHS 307	Y3, S5	Nutrigenomics & Nutrigenetics	Elective	3	51
	BTHS 308	Y3, S5	Ayurvedic Medicine I	Elective	3	51
				Total (Mandatory)	18	306
				Total (Electives)	6	102
				Total (Hours)		408
Year 3, semester II						
	BTHS 311	Y3, S6	Herbal Medicine II	Mandatory	3	51
	BTHS 314	Y3, S6	Detoxification, Hydrotherapy and Toxicology II	Mandatory	3	51
	BTHS 313	Y3, S6	Clinical Nutrition II	Mandatory	3	51
	BTHS 312	Y3, S6	Ayurvedic Medicine II	Elective	3	51
	BTHS 315	Y3, S6	Naturopathic Physical Medicine II	Mandatory	3	51
	BTHS 316	Y3, S6	Homeopathic Medicine II	Mandatory	3	51
	BTHS 310	Y3, S6	Pharmacognosy	Mandatory	3	51
	BTHS 410	Y4, S6	Research Methods I	Mandatory	6	102
				Total (Mandatory)	24	408
				Total (Electives)	3	51

				Total (Hours)	27	459
			Vacation Clinical Training (480hrs)			
			Vacation Clinical Training (Biomedical Practice) [1 month = 4 weeks]	(8 hrs x 5 days) x 4 weeks		160hrs
			Vacation Clinical Training (Naturopathic Practice) [2 months = 8 weeks]	(8hrs x 5 days) x 8 weeks		320hrs
				Total		480hrs
Year 4, semester I						
	BTHS 401	Y4, S7	Ayurvedic Medicine III	Elective	3	51
	BTHS 402	Y4, S7	Naturopathic Physical Medicine III	Mandatory	3	51
	BTHS 403		Energy Medicine	Elective	3	51
	BTHS 404	Y4, S7	Herbal Medicine III	Mandatory	3	51
	BTHS 405	Y4, S7	Traditional Chinese (Acupuncture) and Oriental Medicine	Elective	3	51
	BTHS 406	Y4, S7	Clinical Nutrition III	Elective	3	51
	BTHS 407	Y4, S7	Homeopathic Medicine III	Mandatory	3	51
	BTHS 417	Y4, S8	Research Methods II	Mandatory	20	340
				Total (Mandatory)	29	493
				Total (Electives)	12	204
				Total (Hours)	41	697
Year 4, semester II						
	BTHS 411	Y4, S8	African Naturopathic Pharmacy ➤ Naturopathic Pharmacy business in Ghana ➤ Review of literatures on specific naturopathic ingredients for case	Mandatory	3	51

			<ul style="list-style-type: none"> management ➤ Review of literature on specific naturopathic modalities ➤ Naturopathic cosmetic care 			
	BTHS 412	Y4, S8	Energy Medicine II	Elective	3	51
	BTHS 414	Y4, S8	Therapeutic Exercise and Massage	Elective	3	51
	BTHS 415	Y4, S8	Bach Flower Remedy	Elective	3	51
	BTHS 416	Y4, S8	Functional and integrative Medicine	Elective	3	51
	BTHS 420	Y4, S8	Thesis Writing	Mandatory	30	510
	BTHS 421	Y4, S8	Medical Law & Ethics	Mandatory		
	BTHS 422		Mind-Body Medicine	Total (Mandatory)	33	561
				Total (Electives)	12	204
				Total (Hours)	45	765

	<u>Credits</u>	<u>Clock Hours</u>
Total Mandatory Course Credit	199	3,383
Total Elective Credits (8)	33	561
Total Clinical Credits	84.7	1,440
Total Credit Requirements	316.7	5,384
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1. Mandatory National Service for all students	-	Non-credit
2. Ghana Naturopathic Physician Qualifying Examination		