HUMAN BIOSCIENCES

Listed below is a suggested sequence of courses for a Major or Honours in Human Biosciences. Information is also provided for the Minor. Students should complete the required prerequisite First Year courses with at least a 60% overall average prior to declaring their major. These prerequisites include at least one Critical Reading and Writing (CRW) course that is an English course.

*For students who take CHEM 1010 in the Fall and CHEM 1050 in the Winter, it is strongly recommended that CHEM 1051 be completed before beginning second year. Students are able to register for CHEM 2400 while doing CHEM 1051 (if necessary).
** Students completing MATH 1090 in the Fall should complete MATH 1000 (or 1006) in the Winter.

	FALL	WINTER
YEAR 1 (declare)	CRW course	CRW course
	*CHEM 1050	*CHEM 1051
	BIOL 1001	BIOL 1002 OR HUBI 1001
	**MATH 1000 (or 1006)	elective
	elective	elective
YEAR 2	HUBI 2001	HUBI 2003
	HUBI 2002	HUBI 2004
	CHEM 2400	HUBI 2901
	STATS 2550	elective
	elective	elective
YEAR 3	Med 310A	Med 310B
	HUBI 3001	HUBI 3004
	HUBI 3002	HUBI 3005
	HUBI 3003	HUBI 3906
	HUBI 3907	elective
YEAR 4 (MAJOR)	[C] HUBI 4xxx	[C] HUBI 4xxx
	HUBI 4800	[C] elective
	[C] elective	elective
	[C] elective	elective
	elective	elective
Year 4 (HONOURS)	HUBI 499A	HUBI 499B
	HUBI 4800	[C] HUBI 4xxx
	[C] HUBI 4xxx	[C] HUBI 4xxx
	[C] HUBI 3xxx / 4xxx	[C] HUBI 3xxx / 4xxx
	elective	elective
HONOURS INFORMATION	Students in Honours standing must have a minimum grade of "B" or an average of 75% in all required Human Biosciences courses (as specified under clause 2 of *Graduation Requirements, Academic Standing in the Degree Regulations* for the Honours Degree of Bachelor of Science; this also excludes first year courses)	

CONCENTRATION *for Majors / Honours students only* (choose 15 credit hours)

[C] Students may select courses in one of the following concentrations which will be noted on the student's transcript. These courses may be used for electives or HUBI 3xxx / 4xxx courses listed above.

BIOCHEMISTRY	HEALTH & DISEASE	MOLECULAR GENETICS	NUTRITION & METABOLISM
HUBI 3101/BIOL 4200	HUBI 3101/BIOL 4200	HUBI 3207	HUBI 3402
HUBI 3207	HUBI 3600	HUBI 4001	HUBI 3600
HUBI 4001	HUBI 4003	HUBI 4102	HUBI 4003
HUBI 4102	HUBI 4104	HUBI 4104	HUBI 4106
HUBI 4106	HUBI 4230	HUBI 4231	HUBI 4230
HUBI 4232	HUBI 4231	HUBI 4233-4239	HUBI 4231
HUBI 4233-4239	HUBI 4232	HUBI 4240	HUBI 4240
HUBI 4801	HUBI 4240	HUBI 4801	HUBI 4241-4249
HUBI 4802	HUBI 4241 - 4249	HUBI 4802	HUBI 4300
CHEM 2100	HUBI 4300	BIOL 3951	HUBI 4301
CHEM 2401	HUBI 4301		HUBI 4700
PSYC 2821	HUBI 4700		HUBI 4701
PSYC 3800	HUBI 4801		HUBI 4801
	HUBI 4802		HUBI 4802
	BIOL 3050		HUBI/BIOL 3052
	HUBI/BIOL 3052		
	PSYC 3853		

MINOR (stipulated course prerequisites also apply to a minor in Human Biosciences)

For a minor in Human Biosciences, students must complete:
a. Human Biosciences 2001, 2002, 2003, 2004.
b. Twelve credit hours in Human Biosciences courses 3xxx or 4xxx.

Note: *(1) The University Calendar defines the requirements for your degree. It is your responsibility to ensure you are following the requirements as per the Calendar.*
*(2) Electives must be chosen to give at least **78** credit hours (major) or **90** credit hours (Honours) in science courses and a total of **120** credit hours for a degree.*

LIST OF HUBI COURSES

HUBI 1001 Food, Drugs, and Your Body (same as BIOC 1600)
HUBI 1430 Biochemistry for Health Professionals (same as BIOC 1430)
HUBI 2001 Introduction to Biochemistry (CR BIOC 2201)
HUBI 2002 Introduction to Human Nutrition (same as BIOC 2600/HKR 2600)
HUBI 2003 Basics of Human Metabolism (CR BIOC 3206)
HUBI 2004 Fundamentals of Modern Molecular Biology (CR BIOC 2200)
HUBI 2901 Biochemistry Laboratory (same as BIOC 2901)
HUBI 3001 Lipids and Health
HUBI 3002 Carbohydrates: Functions in Human Health and Disease (new)
HUBI 3003 Proteins and Health
HUBI 3004 Cellular Signaling (CR BIOC 3108)
HUBI 3005 Environment-Health Interactions
HUBI 3052 Food Microbiology (same as BIOC 3052/BIOL 3052)
HUBI 3101 Immunology (same as BIOC 4105/BIOL 4200/PHARM 3006)
HUBI 3105 Physical Biochemistry (same as BIOC 3105)
HUBI 3207 Nucleic Acid Biochemistry and Molecular Biology (same as BIOC 3207)
HUBI 3402 Food Chemistry (same as BIOC 3402)
HUBI 3600 Sports and Exercise Nutrition (same as BIOC 3600)
HUBI 3906 Nutritional Biochemistry and Metabolism Laboratory (CR BIOC 3906)
HUBI 3907 Molecular Biology Laboratory (same as BIOC 3907)
HUBI 4001 Biomolecular Structure and Dynamics
HUBI 4002 Biochemical Regulation (same as BIOC 4002)
HUBI 4003 Public Health Nutrition
HUBI 4101 Proteins (same as BIOC 4101)
HUBI 4102 Controversies in Biochemistry and Molecular Genetics
HUBI 4104 Eukaryotic Gene Regulation and Developmental Biology (same as BIOC 4104)
HUBI 4106 Advanced Metabolism (CR BIOC 3206)
HUBI 4200 Bioenergetics and Biological Oxidation (same as BIOC 4200)
HUBI 4201 Membranes – Structure and Function (same as BIOC 4201)
HUBI 4230 Lipid and Lipoprotein Metabolism (same as BIOC 4230)
HUBI 4231 Molecular Biology of the Bacterial-Human Interface (same as BIOC 4231)
HUBI 4232 Enzymes and Receptors (same as BIOC 4232)
HUBI 4240 Nutrient-Gene Interactions and Personalized Health (same as BIOC 4240)
HUBI 4300 Controversies in Nutrition and Health (same as BIOC 4300)
HUBI 4301 Nutrition and Disease (same as BIOC 4301)
HUBI 4800 Human Biosciences Capstone
HUBI 4801 Directed Study (#1)
HUBI 4802 Directed Study (#2)
HUBI 499A/B Dissertation (same as BIOC 499A/B)

WANT TO KNOW HOW TO DECLARE A MAJOR OR MINORIN HuBi? SCAN QR CODE BELOW FOR INFO & LINK TO ONLINE FORM!

SCAN ME

Email **bcadvice@mun.ca** if you have any questions!

Note: *(1) The University Calendar defines the requirements for your degree. It is your responsibility to ensure you are following the requirements as per the Calendar. (2) Electives must be completed to give a total of at least **78** credit hours in science courses and a total of **120** credit hours in order to receive a degree.*