

BS Health Sciences Base Grid

All students receive a customized grid of course recommendations for elective and selective requirements, based on their educational and career goals.

Year 1					
Fall Semester			Credits	Spring Semester	
BIO 111	General Biology I		4	BIO 121	General Biology II
CHE 111	General Chemistry I		4	CHE 121	General Chemistry II
HUM 115	Voice and Identity		3	HUM XXX	HUM Meth & App
ENG 101	First Year Writing		3	PPP 111	Intro to Health Professions
PBH 102	Freshman Seminar		1	BHS 201	Medical Terminology
	Total		15		Total
Year 2					
Fall Semester			Credits	Spring Semester	
BIO 213	Anatomy & Physiology I		3	BIO 215	Anatomy & Physiology II -
BIO 214	Anatomy & Physiology I Lab		1	BIO 216	Anatomy & Physiology II Lab
HUM XXX	HUM Sci & Health		3	MAT 145	Elementary Statistics OR
PSY 101	Psychology		3	PBH 230	Stats for Public Health
SOC 101	Intro to Sociology		3	PBH 120	Intro to Public Health
	Natural Science Selective 1		3		Natural Science Selective 2
	Total		16-17		Total
Year 3					
Fall Semester			Credits	Spring Semester	
BIO 210	Microbiology		4	PSY 212	Lifespan Development
BIO 335	Genetics		3	BIO 346	Cell Biology
	Patient & Family Centered 1		3		Natural Science Selective 3
	Elective 1		3		Elective 3
	Elective 2		3		Elective 4
	Total		16		Total
Year 4					
Fall Semester			Credits	Spring Semester	
BIO 452	Health Sci Senior Seminar		1	BIO 660G	Journal Club Biomed
ETH 310	Bioethics		3	PPP 380	Preparation for Health Prof.
Upper BH	Any SOC or PSY 300+		3		Patient & Family Centered 2
	Natural Science Selective 4		3-4		Patient & Family Centered 3
	Elective 5		3		Elective 7
	Elective 6		3	Upper COM	Any COM 300+
	Total		16-17		Total

Questions?

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BS Health Sciences Selectives List

<u>Natural Science Selectives:</u> <u>4 Courses Req at least 12 Credits</u>	<u>Patient and Family Centered Care (PFCC)</u> <u>Selectives: 9 Credits</u>
<i>The courses below were chosen to help students understand the molecular foundations of human disease.</i> CHE 211/212 Organic Chemistry I/II (4, 4) CHE 311 Biochemistry (3) PHY 211/212 College Physics I/II (4, 4) MAT 121 Calculus (4) BHS 345 Molecular Diagnostics (3) BHS 740 Genetics and Molecular Basis of Disease (3) BIO 349 Virology (3) BIO 365 Medical Mycology and Parasitology (3) BIO 615G Public Health Microbiology (3) CLS 317 Clinical Hematology (3) CLS 327 Clinical Microbiology I (3) CLS 329 Clinical Microbiology II (3) CLS 337 Clinical Immunology (3) CLS 346 Clinical Chemistry (3) FPY 320 Forensic Neuroscience (3) PBH 350 Epidemiology (3) PSC 215 Pills, Potions, and Poisons: A Pharmacology Primer (3) PSC 311 Biochemistry (3) PSC 315 Immunology (3) PSC 321 Pathophysiology I (4) PSC 322 Pathophysiology II (4) PSC 369 Molecular Foundation of Drug Action (3) PSC 371 Pharmacology I (3) PSC 372 Pharmacology II (3) PSY 320 Biopsychology (3) PSY 330 Neuropsychology (3) PSY 345 Psychopharmacology (3)	<i>The courses below were chosen to help students begin to understand how to best engage patients and their caregivers as active members of the care team.</i> CJS 370 Human Trafficking (3) COM 318 Health Teamwork (3) COM 320 Patient-Provider Communication (3) COM 330 Intercultural Communication in Healthcare (3) ETH 315 Health Disease and Authority in Medicine (3) HOI318 AI for Healthcare (3) HUM 220 Medical Humanities (3) LAW 300 Elder Abuse (3) PAD 451 US and Global Healthcare Systems (3) PBH 2XX Nutrition and the American Diet (3) PBH 245 Intro to Health Systems (3) PBH 305 Vaccines in Public Health (3) PBH 310 Medical Anthropology (3) PBH 325 Human Trafficking (3) PBH 335 Determinants of Health (3) PSY 200 Human Sexuality (3) PSY 292 Motivation (3) PSY 310 Social Psychology (3) PSY 352 Health Psychology (3) PSY 363 Psychopathology (3) PSY 364 Child & Adolescent Psychopathology (3) PSY 365 Intro to Psychotherapy (3) PSY 385 Eating Disorders & Body Image (3) PSY 440 Death and Dying (3) SOC 310 Child Abuse & Neglect (3) SOC 325 Medical Sociology (3) SOC 330 Cultures of Disability (3) SOC 335 Global Health (3) SOC 420 Health and Social Policy (3)

BS Health Sciences Example Grid – Pre-PA

All students receive a customized grid of course recommendations for elective and selective requirements, based on their educational and career goals.

Year 1					
Fall Semester			Credits	Spring Semester	
BIO 111	General Biology I		4	BIO 121	General Biology II
CHE 111	General Chemistry I		4	CHE 121	General Chemistry II
HUM 115	Voice and Identity		3	HUM XXX	HUM Meth & App
ENG 101	First Year Writing		3	PPP 111	Intro to Health Professions
PBH 102	Freshman Seminar		1	BHS 201	Medical Terminology
	Total		15		Total
Year 2					
Fall Semester			Credits	Spring Semester	
BIO 213	Anatomy & Physiology I		3	BIO 215	Anatomy & Physiology II -
BIO 214	Anatomy & Physiology I Lab		1	BIO 216	Anatomy & Physiology II Lab
HUM XXX	HUM Sci & Health		3	MAT 145	Elementary Statistics OR
PSY 101	Psychology		3	PBH 230	Stats for Public Health
SOC 101	Intro to Sociology		3	PBH 120	Intro to Public Health
CHE 211	Natural Science Selective 1 – Organic Chemistry I		4		Natural Science Selective 2
	Total		17		Total
Year 3					
Fall Semester			Credits	Spring Semester	
BIO 210	Microbiology		4	PSY 212	Lifespan Development
	Patient & Family Centered 1		3	BIO 346	Cell Biology
CHE 311	Natural Science Selective 3 - Biochemistry		3		Patient & Family Centered 2
	Elective 1		3		Elective 3
	Elective 2		3		Elective 4
	Total		16		Total
Year 4					
Fall Semester			Credits	Spring Semester	
BIO 452	Health Sci Senior Seminar		1	BIO 660G	Journal Club Biomed
ETH 310	Bioethics		3	PPP 380	Preparation for Health Prof.
BIO 335	Genetics		3		Patient & Family Centered 2
Upper BH	Any SOC or PSY 300+		3		Elective 6
	Natural Science Selective 4		3-4		Elective 7
	Elective 5		3	Upper COM	Any COM 300+
	Total		16-17		Total
					15

BS Health Sciences Example Grid – Pre-Med, Pre-Dental, Pre-Podiatry, and Pre-Optometry

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Year 1						
Fall Semester			Credits	Spring Semester		Credits
BIO 111	General Biology I		4	BIO 121	General Biology II	4
CHE 111	General Chemistry I		4	CHE 121	General Chemistry II	4
HUM 115	Voice and Identity		3	HUM XXX	HUM Meth & App	3
ENG 101	First Year Writing		3	PPP 111	Intro to Health Professions	1
PBH 102	Freshman Seminar		1	BHS 201	Medical Terminology	3
	Total		15		Total	15
Year 2						
Fall Semester			Credits	Spring Semester		Credits
HUM XXX	HUM Sci & Health		3	MAT 145	Elementary Statistics OR	3
PSY 101	Psychology		3	PBH 230	Stats for Public Health	3
SOC 101	Intro to Sociology		3	PBH 120	Intro to Public Health	3
PHY 211	Natural Science Selective 1 – Physics I		4	PHY 212	Natural Science Selective 3 – Physics I	4
CHE 211	Natural Science Selective 2 – Organic Chemistry I		4	CHE 212	Natural Science Selective 4 – Organic Chemistry I	4
	Total		17		Total	14
Year 3						
Fall Semester			Credits	Spring Semester		Credits
BIO 210	Microbiology		4	PPP 380	Preparation for Health Prof.	2
BIO 213	Anatomy & Physiology I		3	BIO 346	Cell Biology	3
BIO 214	Anatomy & Physiology I Lab		1	BIO 215	Anatomy & Physiology II	3
CHE 311	Elective 1 - Biochemistry		3	BIO 216	Anatomy & Physiology II Lab	1
	Elective 2 – ENG course		3	MAT 111	Elective 3 - Calculus	4
	Patient & Family Centered 1		3		Elective 4	3
	Total		17		Total	15
Year 4						
Fall Semester			Credits	Spring Semester		Credits
BIO 452	Health Sci Senior Seminar		1	BIO 660G	Journal Club Biomed	1
ETH 310	Bioethics		3	PSY 212	Lifespan Development	3
BIO 335	Genetics		3	Upper COM	Any COM 300+	3
Upper BH	Any SOC or PSY 300+		3		Patient & Family Centered 3	3
	Patient & Family Centered 2		3		Elective 6	3
	Elective 5		3		Elective 7	3
	Total		16		Total	16