

Program & Curriculum Approval

Health Science B.S. Sample Plan 1 (120 credits)

Year 1 – Fall

MATH 1161 – Statistics, Bioinformatics, and Discrete Mathematics: 3.0 credits

(Program Requirement > Mathematics > LE Mathematical Thinking Core)

CHEM 1231 – Introduction to Organic Chemistry I: 4.0 credits
(Program Requirement > Chemistry > LE Physical Sciences)

SOC 1571 – Sociology: 3.0 credits
(Program Requirement > Social Sciences and Humanities > LE Requirement Social Sciences and Diversity Theme)

PSY 1511 – Psychology: 3.0 credits
(Program Elective)

WRIT 1511 – Writing Studio I: 1.0 credits
(Program Requirement > Freshman Composition)

CLI 1711 – Introduction to Health Sciences I: 1.0 credits
(Program Requirement > Career Development)

Total credits: 15.0 credits

Year 1 – Spring

MATH 1171 – Calculus, Modeling, and Data I: 3.0 credits
(Program Requirement > Mathematics)

CHEM 2231 – Introduction to Organic Chemistry II: 4.0 credits
(Program Requirement > Chemistry)

BIOL 2311 – Integrative Biology with Lab: 4.0 credits
(Program Requirement > Biology > LE Requirement Biological Sciences)

HUM 1441 – Ethics: 3.0 credits
(Program Requirement > Ethics > LE Requirement Civic Life & Ethics Theme)

WRIT 1512 – Writing Studio II: 1.0 credits
(Program Requirement > Freshman Composition)

CLI 1712 – Introduction to Health Sciences II: 1.0 credits
(Program Requirement > Career Development)

Total credits: 16.0 credits

Year 2 – Fall

BIOC 2321 – Principles of Chemistry and Biochemistry: 3.0 credits
(Program Requirement > Biochemistry)

BIOL 2331 – Anatomy and Physiology with Lab I: 4.0 credits
(Program Requirement > Biology)

WRIT 3511 – Communication Methods: 2.0 credits
(Program Requirement > Sophomore Composition)

HUM 1433 – Literature in a Social and Historical Context: 3.0
credits
(Program Requirement > Social Sciences and Humanities > LE
Requirement Literature)

SPAN 1521 – Spanish I: 3.0 credits
(Program Requirement > Language)

CLI 2711 – Career Planning I: 1.0 credits
(Program Requirement > Career Development)

Total credits: 16.0 credits

Year 2 – Spring

BIOC 3321 –Biochemistry: 3.0 credits
(Program Elective)

BIOL 2332 – Anatomy and Physiology with Lab II: 4.0 credits
(Program Requirement > Biology)

HUM 1431 – Arts and Humanities: 3.0 credits
(Program Requirement > Social Sciences and Humanities > LE
Requirement Arts and Humanities)

SPAN 1522 – Spanish II: 3.0 credits
(Program Requirement > Language)

CLI 2712 – Career Planning II: 1.0 credits
(Program Requirement > Career Development)

Total credits: 14.0 credits

Year 3 – Fall

PHYS 1251 – Physics I: 4.0 credits

(Program Requirement > Physics)

BIOL 3341 – Microbiology: 2.0 credits

(Program Requirement > LE Environmental Theme)

BIOL 3342 – Microbiology and Environmental Issues: 1.0 credit

(Program Requirement > LE Environmental Theme)

BIOL 3345 – Microbiology Lab: 1.0 credit

(Program Elective)

PUBH 2561 – International Health Care and Public Health: 3.0 credits

(Program Requirement > LE Requirement Global Perspectives Theme)

SPAN 2521 – Spanish III: 3.0 credits

(Program Requirement > Language)

CLI 3711 – Leadership and Development I: 1.0 credits

(Program Requirement > Career Development)

Total credits: 15.0 credits

Year 3 – Spring

HUM 3437 – History and Philosophy of Science: 3.0 credits

(Program Requirement > Humanities and Social Sciences > LE Requirement Historical Perspective Core & Technology and Society Theme)

PUBH 4561 – Environment and Health: 3.0 credits

(Program Requirement > Biology)

SOC 3541 – Economics: 3.0 credits

(Program Elective)

HINF 3173 – Health Informatics: 3.0 credits

(Program Elective)

SPAN 2522 – Spanish IV: 3.0 credits

(Program Requirement > Language)

CLI 3712 – Leadership and Development II: 1.0 credits

(Program Requirement > Career Development)

Total credits: 16.0 credits

Year 4 – Fall

BIOL 4311 – Molecular and Cell Biology and Genetics I: 4.0 credits
(Program Requirement > Electives)

MATH 3171 – Bioinformatics: 3.0 credits
(Program Requirement > Electives)

CLI 4696 – Capstone Research Experience: 6.0 credits
(Program Requirement > Capstone)

CLI 4711 – Reflections I: 1.0 credit
(Program Requirement > Capstone)

Total credits: 14.0 credits

Year 4 – Spring

BIOL 4312 – Molecular and Cell Biology and Genetics II: 3.0 credits
(Program Requirement > Electives)

PHYS 2251 – Physics II: 4.0 credits
(Program Requirement > Electives)

CLI 4696 – Capstone Research Experience: 6.0 credits
(Program Requirement > Capstone)

CLI 4712 – Reflections II: 1.0 credit
(Program Requirement > Capstone)

Total credits: 14.0 credits