

Catalog Year: 2018-2019, Total Credits: 60

0 - 33 credits – Montgomery College

	Cr
ENGL101 (or program elective* if ENGL101 is not needed)	3
MATH165/MATH170/MATH181	4
CHEM131 Principles of Chemistry I (NSLD)	4
Behavioral & Social Sci. Distribution (BSSD) **	3
Total Credits	14

(Courses may be taken in any order, pending prerequisites)

	Cr
ENGL102 or ENGL103 English Foundation	3
BIOL150 Principles of Biology I (NSLD)	4
CHEM132 Principles of Chemistry II	4
MATH170 or MATH181	4
Humanities Distribution	3
Total Credits	18

34 - 60 credits – Montgomery College

	Cr
BIOL151 Principles of Biology II	4
COMM108 or COMM112 (GEEL)	3
Arts Distribution	3
Program Elective * (CHEM203 Organic Chem I recommended)	5
Total Credits	15

	Cr
BIOL222 Principles of Genetics	4
Behavioral & Social Science Distribution (BSSD)**	3
Program Elective * (BIOL210 Microbiology)	4
Program Elective *	2
Total Credits	13

Apply to graduate from Montgomery College with an [A.S. in Science, Biological Science](#)

* **Program electives:** [BIOL 210](#), [BIOL 212](#), [BIOL 213](#), [BIOL 217](#), [BIOL 226](#), [BIOL 228](#), [BIOL 230](#), [BIOL 252](#), [CHEM 203](#), [CHEM 204](#), [CMSC 140](#), [CMSC 203](#), [CMSC 204](#), [MATH 171](#), [MATH 182](#), [MATH 280](#), [MATH 282](#), [PHYS 161](#), [PHYS 203](#), [PHYS 204](#), [PHYS 233](#), [PHYS 234](#), [PHYS 262](#), [PHYS 263](#), [SCIR 297](#) (it is recommended that in a 2-semester chemistry sequence, both courses be taken at the same institution, e.g. [CHEM 203](#) & [CHEM 204](#).)

** BSSD courses must come from different disciplines

Year Three – George Washington University

Fall Semester	Cr
INFR 4101 Introduction to Medical Informatics	3
HSCI 2112W Writing in the Health Sciences	3
INFR 4102 Survey of Medicine for Infomaticians	3
HSCI 2105 Current Issues in Bioethics	3
Elective	3
Total Credits	15

Spring Semester	Cr
INFR 4106 Population Health for Medical Informatics	3
INFR 4105 Consumer Health Informatics	3
HSCI 4112W Research/Writing in Health Sciences	3
HSCI 3117 Biostats for Health Sciences	3
HSCI 4104 Medical Informatics Terminologies/Standards	3
Total Credits	15

Year Four – George Washington University

Fall Semester	Cr
INFR 4103 Programming for Informaticians	3
INFR 4107 Clinical Decision Support	3
INFR 4108 Information Extraction/Medical Informatics	3
Elective	3
INFR 3102 Scripting	3
Total Credits	15

Spring Semester	Cr
INFR 4110 Biomedical Data Science	3
INFR 4109 Evaluation Method/Medical Informatics	3
INFR 4122 Advanced Scripting	3
INFR 4197 Medical Informatics Internship	3
Elective	3
Total Credits	15

**Montgomery College [A.S. in Science, Biological Science](#) to
George Washington University [B.S.H.S. in Biomedical Informatics](#)**

Catalog Year: 2018-2019, Total Credits: 60

Name:	Date:	ID#	
Foundation Courses	COURSE	HRS	GRADE
English Foundation, ENGL102 or ENGL103	ENGL	3	
Math Foundation, MATH165/MATH170/MATH181	MATH	4	
Distribution Courses	COURSE	HRS	GRADE
Arts Distribution		3	
Humanities Distribution		3	
Behavioral and Social Sciences Distribution *		3	
Behavioral and Social Sciences Distribution *		3	
Natural Sciences Lab Distribution with Lab, Principles of Biology I	BIOL150	4	
Natural Sciences Lab Distribution with Lab, Principles of Chemistry I	CHEM131	4	
General Education Elective	COURSE	HRS	GRADE
COMM108 or COMM112 (GEEL)	COMM	3	
Area of Concentration Requirements	COURSE	HRS	GRADE
ENGL101 or ENGL101A (if needed for ENGL102/103)		3	
Principles of Biology II	BIOL151	4	
Principles of Genetics	BIOL222	4	
Principles of Chemistry II	CHEM132	4	
MATH170 Calculus for Life Sciences I or MATH181 Calculus	MATH	4	
Program Elective * (CHEM203 Organic Chemistry I recommended)		5	
Program Elective * (BIOL210 Microbiology)	BIOL210	4	
Program Elective *		2	

* **Program electives:** [BIOL 210](#), [BIOL 212](#), [BIOL 213](#), [BIOL 217](#), [BIOL 226](#), [BIOL 228](#), [BIOL 230](#), [BIOL 252](#), [CHEM 203](#), [CHEM 204](#), [CMSC 140](#), [CMSC 203](#), [CMSC 204](#), [MATH 171](#), [MATH 182](#), [MATH 280](#), [MATH 282](#), [PHYS 161](#), [PHYS 203](#), [PHYS 204](#), [PHYS 233](#), [PHYS 234](#), [PHYS 262](#), [PHYS 263](#), [SCIR 297](#) (it is recommended that in a 2-semester chemistry sequence, both courses be taken at the same institution, e.g. [CHEM 203](#) & [CHEM 204](#).)

** BSSD courses must come from different disciplines

Students must complete one Global or Cultural Perspectives designated course as part of their General Education Program to graduate.

smhs.gwu.edu/medical-laboratory-sciences

MC Contact: Dr. Jim Sniezek, james.sniezek@montgomerycollege.edu, Instructional Dean for Chemical and Biological Sciences