



Suggested Transfer Pathway

Montgomery College A.S. in Bioinformatics to George Washington University B.S.H.S. in Biomedical Informatics



Catalog Year: 2018-2019, Total Credits: 60

0 - 31 credits – Montgomery College

	Cr
ENGL101 or ENGL101A (if needed)	3
CHEM131 Principles of Chemistry I	4
MATH181 Calculus I	4
BIOL202 Interdisciplinary Bioinformatics	3
Total Credits	14

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

	Cr
BIOL150 Principles of Biology I	4
CHEM132 Principles of Chemistry II (GEEL)	4
CMSC140 Intro to Programming	3
English Foundation (ENGL102 or ENGL103)	3
Arts Distribution	3
Total Credits	17

32 - 60 credits – Montgomery College

	Cr
BIOL151 Principles of Biology II	4
CHEM203 Organic Chemistry	5
COMM108 Foundations of Human Communication (Humanities Distribution)	3
MATH217 Biostatistics	3
Total Credits	15

	Cr
BIOL222 Principles of Genetics	4
CMSC203 Computer Science I or CMSC204	4
Behavioral and Social Sciences Distribution **	3
Behavioral and Social Sciences Distribution ** (Except HLTH course)	3
Total Credits	14

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

** 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

MC [A.S. in Bioinformatics](#) 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, MATH181 Calculus I	MATH181	4	
Distribution Courses	COURSE	HRS	GRADE
Arts Distribution		3	
Humanities Distribution, COMM108 Foundations of Human Communication	COMM108	3	
Behavioral and Social Sciences Distribution **		3	
Behavioral and Social Sciences Distribution ** (Except HLTH course)		3	
Natural Sciences Lab Distribution, BIOL150 Principles of Biology I	BIOL150	4	
Natural Sciences Lab Distribution, CHEM131 Principles of Chemistry I	CHEM131	4	
General Education Elective	COURSE	HRS	GRADE
CHEM132 Principles of Biology II (GEEL)	CHEM132	4	
Program Requirements	COURSE	HRS	GRADE
ENGL101 or ENGL101A (if needed for ENGL102, CMSC204 if not)		3-4	
Principles of Biology II	BIOL151	4	
Interdisciplinary Bioinformatics – An Introduction	BIOL202	3	
Principles of Genetics	BIOL222	4	
Organic Chemistry I	CHEM203	5	
Intro to Programming	CMSC140	3	
CMSC203 Computer Science I or CMSC204 Computer Science II	CMSC	4	
Biostatistics	MATH217	3	

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smhs.gwu.edu/biomedical-informatics

MC Contact:

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