

2+2 Biology w/ Ecological Science Transfer Agreement with Shepherd University and Hagerstown Community College

Hagerstown Community College Course				Shepherd University Equivalent Course			
YEAR ONE				YEAR ONE			
Fall Course ID	Course Title	Cred.	Type	Fall Course ID	Course Title	Cred.	CORE
ENG 101/101E	English Composition	3	ENG	ENGL 101	Writing and Rhetoric I	3	T1-ENG
MAT 161	Precalculus II	4	MAT	MATH 108	Precalculus	4	T1-MA
CHM 103	General Chemistry I	4	program	CHEM 101/101L or CHEM 207/207L	General Chemistry I	4	
BIO 113	Principles of Biology I	4	SCI	BIOL 211	Fundamentals of Biology I - Molecular	4	T1-LS
FALL TOTAL	YEAR 1	15		FALL TOTAL	YEAR 1	15	
Spring Course ID	Course Title	Cred.	Type	Spring Course ID	Course Title	Cred.	Field/Clin
ENG 102	English Composition II Recommended	3	ENG	ENGL 102	Writing and Rhetoric II	3	T1-ENG
ECO 201, ECO 202, PSY 101, or SOC 101	Macro Prin, Micro Prin, General Psych, or Intro Soc	3	BSSB	ECON 201, ECON 202, PSYC 101, or SOCI 101	Macro Prin, Micro Prin, Intro to Psych, or Gen Soc	3	T2-SO
CHM 104	General Chemistry II	4	program	CHEM 209/209L	General Chemistry II	4	
BIO 114	Principles of Biology II	4	SCI	BIOL 212	Fundamentals of Biology II - Diversity	4	T1-LS
SPRING TOTAL	YEAR 1	14		SPRING TOTAL	YEAR 1	14	
YEAR TWO				YEAR TWO			
Fall Course ID	Course Title	Cred.	Type	Fall Course ID	Course Title	Cred.	CORE
CHM 203	Organic Chemistry I	4	program	CHEM 315/315L	Organic Chem (w/lab)	4	
ART 101/MUS 101	Intro to Visual Arts or Music Apprec Recommended	3	HU	ART 103 or MUSC 111	Intro to Visual Arts or Intro to Music (GL)	3	T2-AR
BIO 205	Microbiology	4	program	BIOL 302	Microbiology	4	
ECO 201, ECO 202, PSY 101, or SOC 101	Macro Prin, Micro Prin, General Psych, or Intro Soc	3	BSSB	ECON 201, ECON 202, PSYC 101, or SOCI 101	Macro Prin, Micro Prin, Intro to Psych, or Gen Soc	3	T2-SO
FALL TOTAL	YEAR 2	14		FALL TOTAL	YEAR 2	14	
Spring Course ID	Course Title	Cred.	Type	Spring Course ID	Course Title	Cred.	CORE
GEOG 105	World Regional Geography - Recommended	3	DV	GEOG 202	World Regions (GL)	3	T2-SO
HU Gen ED	Arts/Humanities Gen Ed	3	HU	Elective	Elective	3	
CHM 204	Organic Chemistry II	4	program	CHEM 316/316L	Organic Chemistry II (w/lab)	4	
Elective	Physics 201 (w/lab) recommended	4	elective	PHYS 201/201L	College Physics I (w/lab)	4	
Elective	Choose with an advisor	3	elective				
SPRING TOTAL	YEAR 2	17		SPRING TOTAL	YEAR 2	14	
HCC TOTAL		60					
Shepherd University Courses							
YEAR THREE				YEAR THREE			
Fall Course ID	Shepherd Course Title	Cred.	CORE	Spring Course ID	Shepherd Course Title	Cred.	CORE
PHYS 202/202L	College Physics II	4		BIOL 301	Evolution	4	
BIOL 303	General Ecology	4		BIOL 332, 383, 406, or 412; ENVS 343 or 344	2nd of 3: Comparative Anatomy, Ornithology, Developmental Biology, or Comparative Animal Physiology, or Aquatic Entomology or Ichthyology	4	
BIOL 332, 383, 406, or 412; ENVS 343 or 344	1st of 3: Comparative Anatomy, Ornithology, Developmental Biology, or Comparative Animal Physiology or Aquatic Entomology or Ichthyology	4		CHEM 330/330L	Biochemistry II w/Lab	4	
CHEM 329/329L	Biochemistry I w/lab	4		BIO 305	Cell Biology	4	
Gen Ed	Wellness Core	3	T2-WE	MATH 205 or MATH 314	Calculus with Applications or Statistics	4 or 3	
FALL TOTAL	YEAR 3	19		SPRING TOTAL	YEAR 3	19-20	
YEAR FOUR				YEAR FOUR			
Fall Course ID	Shepherd Course Title	Cred.	Field/Clin	Spring Course ID	Shepherd Course Title	Cred.	CORE
BIOL 425	Principles of Biological Research	4	T2-WM/CAP	BIOL 313, 411, or ENVS 342 or 422	1st of 2: Invertebrate Natural History, Animal Behavior, Limnology or Stream Ecology	4	
BIOL 332, 383, 406, or 412; ENVS 343 or 344	3rd of 3: Comparative Anatomy, Ornithology, Developmental Biology, or Comparative Animal Physiology or Aquatic Entomology or Ichthyology	4		BIOL 313, 411, or ENVS 342 or 422	2nd of 2: Invertebrate Natural History, Animal Behavior, Limnology or Stream Ecology	4	
Gen Ed	Humanities Core	3	T2-HM	BIOL 300+	Biology Elective 2 of 2	4	
BIOL 315 or (324+325)	Advanced Plant Biology or Plant Taxonomy sequence	4		Gen Ed	Humanities Core	3	T2-HM
BIOL 363, 418	Mycology or virology	4		Gen Ed	History Core	3	T1-HIST
FALL TOTAL	YEAR 4	19		SPRING TOTAL	YEAR 4	18	
			TOTAL		CREDITS		FOR ALL FOUR YEARS
							135-136

Approved By: John Steffen
 Dr. John Steffen, Chair of Biology

Date: 7/27/22

Approved By: C. David Warner
 Dr. C. David Warner, Vice President of Academic Affairs and Student Services
 Hagerstown Community College

Date: July 27, 2022