

## 2+2 Biology Transfer Agreement with Shepherd U and Hagerstown CC

Hagerstown Community College Course				Shepherd University Equivalent Course			
<b>YEAR ONE</b>				<b>YEAR ONE</b>			
Fall Course ID	Course Title	Cred.	CORE	Fall Course ID	Course Title	Cred.	CORE
ENG 101	English Composition I	3		ENGL 101	Writing and Rhetoric I	3	T1-ENG
MAT 109 or MAT 203*	Introduction to Statistics or Calculus I	3		MATH 314 or MATH 205	Statistics or Calculus with Applications	3-4	T1-MA
CHM 103	General Chemistry I	4		CHEM 207/207L	General Chemistry I	4	
BIO 113	Principles of Biology I	4		BIOL 211	Fundamentals of Biology I - Molecular	4	T1-LS
<b>FALL TOTAL</b>	<b>YEAR 1</b>	<b>14hrs</b>		<b>FALL TOTAL</b>	<b>YEAR 1</b>	<b>14-15 hrs</b>	
Spring Course ID	Course Title	Cred.	CORE	Spring Course ID	Course Title	Cred.	CORE
ENG 102	English Composition II	3		ENGL 102	Writing and Rhetoric II	3	T1-ENG
ART 101 or MUS 101	Intro to Visual Arts or Music Appreciation	3	AR/HM	ART 103 or MUSC 111	Intro to Visual Arts or Intro to Music (GL)	3	T2-AR
ECO201, ECO202, PSY101, or SOC101	Macroeconomics Prin., Microeconomics Prin., General Psychology, or Intro to Sociology**	3		ECON205, ECON206, PSYC101, or SOCI203	Prin. of Macroeconomics, Prin. of Microeconomics, Intro to Psychology, or Gen. Sociology (GL, CK, MD)	3	T2-SO
CHM 104	General Chemistry II	4		CHEM 209/209L	General Chemistry II	4	
BIO 114	Principles of Biology II	4		BIOL 212	Fundamentals of Biology II - Diversity	4	T1-LS
<b>SPRING TOTAL</b>	<b>YEAR 1</b>	<b>17hrs</b>		<b>SPRING TOTAL</b>	<b>YEAR 1</b>	<b>17hrs</b>	
<b>YEAR TWO</b>				<b>YEAR TWO</b>			
Fall Course ID	Course Title	Cred.	CORE	Fall Course ID	Course Title	Cred.	CORE
GEO 105	World Regional Geography	3	DIV	GEOG 202	World Regions (GL)	3	T2-SO
ECO201, ECO202, PSY101, or SOC101	Macroeconomics Prin., Microeconomics Prin., General Psychology, or Intro to Sociology**	3		ECON205, ECON206, PSYC101, or SOCI203	Prin. of Macroeconomics, Prin. of Microeconomics, Intro to Psychology, or Gen. Sociology (GL, CK, MD)	3	T2-SO
CHM 203	Organic Chemistry I	4		CHEM 315/315L	Organic Chemistry I w/Lab	4	
PHY 201	Gen Physics I	4		PHYS 201/201L	College Physics I w/Lab	4	
<b>FALL TOTAL</b>	<b>YEAR 2</b>	<b>14hrs</b>		<b>FALL TOTAL</b>	<b>YEAR 2</b>	<b>14hrs</b>	
Spring Course ID	Course Title	Cred.	CORE	Spring Course ID	Course Title	Cred.	CORE
GEN ED	Arts and Humanities	3		FREE ELECTIVE	Elective	3	
CHM 204	Organic Chemistry II	4		CHEM 316/316L	Organic Chemistry II	4	
PHY 202	General Physics II	4		PHYS 202/202L	College Physics II	4	
BIO 201 or BIO 205	Cell Biology or Microbiology	4		BIOL 305 or BIOL 302	Cell Biology or Microbiology	4	
<b>SPRING TOTAL</b>	<b>YEAR 2</b>	<b>15hrs</b>		<b>SPRING TOTAL</b>	<b>YEAR 2</b>	<b>15hrs</b>	<b>60-61</b>

\*\* Take either ECO201 or ECO202, but cannot take both to satisfy Social Science Core at Shepherd University

**Shepherd University Courses (minor in Chemistry)**

YEAR THREE				YEAR THREE			
Fall Course ID	Shepherd Course Title	Cred.	CORE	Spring Course ID	Shepherd Course Title	Cred.	CORE
BIOL 303	General Ecology	4		BIOL 406	Developmental Biology	4	
BIOL 344	Genetics	4		CHEM 330	Biochemistry II	3	
CHEM 329/329L	Biochemistry I w/Lab	4		CHEM 330L	Biochemistry II Lab (recommended)	(1)	
GEN ED	Wellness Core	3	T2-WE	GEN ED	History Core	3	T1-HIST
				MATH 205 or MATH 314	Calculus with Applications Statistics	4 or 3	
<b>FALL TOTAL</b>	<b>YEAR 3</b>	<b>15hrs</b>		<b>SPRING TOTAL</b>	<b>YEAR 3</b>	<b>14-15</b>	<b>hrs</b>
YEAR FOUR				YEAR FOUR			
Fall Course ID	Shepherd Course Title	Cred.	CORE	Spring Course ID	Shepherd Course Title	Cred.	CORE
BIOL 425	Principles of Biological Research	4	T2-WM / CAP	BIOL 300+	Biology Elective 3 of 4	4	
GEN ED	Humanities Core	3	T2-HM	BIOL 300+	Biology Elective 4 of 4	4	
BIOL 300+	Biology Elective 2 of 4	4		GEN ED	Humanities Core	3	T2-HM
ELECTIVE	Elective Course	3		ELECTIVE	Elective Course	3	
ELECTIVE	Elective Course	3					
<b>FALL TOTAL</b>	<b>YEAR 4</b>	<b>17hrs</b>		<b>SPRING TOTAL</b>	<b>YEAR 4</b>	<b>14hrs</b>	
			<b>TOTAL</b>	<b>CREDITS</b>	<b>FOR ALL FOUR YEARS</b>	<b>120-122</b>	

Approved By: Mary J.C. Hendrix 5-14-18  
 Mary J.C. Hendrix, President  
 Shepherd University Date

Approved By: Carol A. Rothstein 5-14-18  
 Carol A. Rothstein, Acting Chief Academic Officer  
 on behalf of C. David Warner, Interim President  
 Hagerstown Community College Date