BS, Exercise Science, Clinical Exercise Physiology, 567E Appalachian State University College of Health Sciences Department of Health and Exercise Science Program of Study 2017-2018

## **Universal General Education Transfer Component (UGETC)**

ngush composition (6	SCU), Complete BOTH English as:					
Prefix	SCH): Complete BOTH English courses  Course Name	Credit Hours Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
3 111	Expository Writing	3 None	RC 1000	Credit Hours	Required or Preferred by Major	Notes
i 112	Argument-Based Research	3 ENG 111	RC 2001	3	Required	
I Credit Hours Req		6	RC 2001			1
·		6		0		
	6 SCH): Select 2 classes from at least two different disciplines					
Prefix	Course Name	Credit Hours Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
111	Art Appreciation	3 None	ART 2011	3		
114	Art History Survey I	3 None	ART 2030	3		
115	Art History Survey II	3 None	ART 2130	3		
И 231	Public Speaking	3 None	COM 2105	3		
3 231	American Literature I	3 ENG 112, 113 or 114	ENG 2350	3		
3 232	American Literature II	3 ENG 112, 113 or 114	ENG 2350	3		
G 241	British Literature I	3 ENG 112, 113, 114	ENG 2050	3		
3 242	British Literature II	3 ENG 112, 113, 114	ENG 2050	3		
IS 110	Music Appreciation	3 None	MUS 2011	3		
S 112	Introduction to Jazz	3 None	MUS 2014	3		
215	Philosophical Issues	3 ENG 111	PHL Elective	3		
240	Introduction to Ethics	3 ENG 111	PHL 2000	3	<u> </u>	1
al Credit Hours Req	uneu	6		6		
ial /Behavioral Scie	nce (6 SCH): Select 2 classes from at least two different discipline	s				
Prefix	Course Name	Credit Hours Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
251	Principles of Microeconomics	3 None	ECO 2030	3		
252	Principles of Macroeconomics	3 None	ECO 2040	3		
111	World Civilizations I	3 None	HIS 1101	3		
112	World Civilizations II	3 None	HIS 1102	3		
131	American History I	3 None	HIS 1200	3		
132	American History II	3 None	HIS 1200	3		
150	General Psychology	3 None	PSY 1200	3	Required	
L 120	American Government	3 None	P S 1100	3		
C 210	Introduction to Sociology	3 None	SOC 1000	3		
tal Credit Hours Req	uired	6		6		
athematics (8 SCH):	Select 2 courses					
Prefix						
	Course Name	Credit Hours Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
T 171	Course Name Precalculus Algebra	Credit Hours Pre-requisites 4 None	University Course Equivalent MAT 1020	Credit Hours	Required or Preferred by Major Required	Notes
	Precalculus Algebra			Credit Hours 4		Notes
T 171		4 None	MAT 1020	Credit Hours 4 4		Notes
T 171 T 172 T 263	Precalculus Algebra Precalculus Trigonometry	4 None 4 MAT 171	MAT 1020 MAT 1025	4	Required	Notes
T 171 T 172 T 263 T 271	Precalculus Algebra Precalculus Trigonometry Brief Calculus	4 None 4 MAT 171 4 MAT 171	MAT 1020 MAT 1025 MAT 1035	4 4	Required	Notes
T 171 T 172 T 263 T 271 T 272	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus I	4 None 4 MAT 171 4 MAT 171 4 MAT 172	MAT 1020 MAT 1025 MAT 1035 MAT 1110	4 4 4	Required	Notes
T 171 T 172 T 263 T 271 T 272 al Credit Hours Req	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus I uired	4 None 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271	MAT 1020 MAT 1025 MAT 1035 MAT 1110	4 4 4 4	Required	Notes
T 171 T 172 T 263 T 271 T 272 al Credit Hours Requural Sciences (8 SCH	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus I uired  Select 2 courses	4 None 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8	MAT 1020 MAT 1025 MAT 035 MAT 1110 MAT 1120	4 4 4 4 4 8	Required	
T 171 T 172 T 263 T 271 T 272 al Credit Hours Requeral Sciences (8 SCH	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II uired d): Select 2 courses Course Name	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8 Credit Hours Pre-requisites	MAT 1020 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent	4 4 4 4	Required	Notes
T 171 T 172 T 263 T 271 T 271 T 272 al Credit Hours Requested Sciences (8 SCH-Prefix 151/151A	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II uired 4): Select 2 courses  Course Name General Astronomy i and lab I	4 None 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None	MAT 1020 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent  AST 1001	4 4 4 4 4 8	Required	
T 171 T 172 T 172 T 263 T 271 T 272 al Credit Hours Requeral Sciences (8 SCH- Prefix 151/151A	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus I Calculus II Uired  1): Select 2 courses  Course Name General Astronomy I and lab I Principles of Biology	4 None 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None	MAT 1020 MAT 1025 MAT 1025 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204	4 4 4 4 8 8 Credit Hours 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Required  Required or Preferred by Major	Notes
T 171 T 172 T 172 T 263 T 271 T 272 al Credit Hours Requeral Sciences (8 SCH-Prefix 151/151A 110	Precalculus Algebra Precalculus Trigonometry Brief Calculus  Calculus I  Calculus II  uired  1): Select 2 courses  General Astronomy I and lab I  Principles of Biology General Biology I	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 172 8 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None	MAT 1020 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204	4 4 4 4 4 8	Required  Required or Preferred by Major	Notes must take both BIO 111 and BIO 112
T 171 T 172 T 263 T 271 T 272 T 271 T 272 al Credit Hours Req ural Sciences (8 SCH Prefix 151/151A 110 111 111	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II uired  1): Select 2 courses  Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology II	4 None 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 172 5 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 BIO 111	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1202/BIO 1204 BIO 1202/BIO 1205	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Required  Required or Preferred by Major	Notes  must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112
T 171 T 172 T 172 T 263 T 271 T 272 al Credit Hours Requested Sciences (8 SCH) Prefix 151/151A 110 111 111 112 M 151	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus I Calculus II Uired  1): Select 2 courses  Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology II General Chemistry I	4 None 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 Bio 111 4 None	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1101/1110	4 4 4 4 8 8 Credit Hours 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Required  Required or Preferred by Major  Required - See Notes	Notes  must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152
T 171 T 172 T 263 T 271 T 272 T 272 al Credit Hours Request Schenes (8 SChene	Precalculus Algebra Precalculus Trigonometry Brief Calculus  Calculus I  Calculus II  uired  1): Select 2 courses  Course Name General Astronomy I and lab I  Principles of Biology General Biology I General Biology II General Chemistry II General Chemistry II General Chemistry II	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 BIO 111 4 None 4 CHM 151	MAT 1020 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1101/1110 CHE 1101/1110 CHE 1101/1120	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Required  Required or Preferred by Major	Notes  must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152
T 171 T 172 T 263 T 271 T 272 T 271 T 272 al Credit Hours Req ural Sciences (8 SCI- Prefix 151/151A 110 111 112 A 151 A 151 A 152 111	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Usired  19: Select 2 courses Course Name General Astronomy I and lab I Principles of Biology General Biology II General Chemistry I General Chemistry II Introduction Geology	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 172 8 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 BIO 111 4 None 4 CHM 151 4 None	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1202/BIO 1204 BIO 1202/BIO 1205 CHE 1102/1120 GLY 1101	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Required  Required or Preferred by Major  Required - See Notes	Motes  must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152 must take both CHM 151 and CHM 152
T 171 T 172 T 172 T 263 T 271 T 272 al Credit Hours Req ural Sciences (8 SCH Prefix 151/151A 110 111 112 // 151 // 152 111 110/110A	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Uired  1): Select 2 courses  Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology II General Chemistry II Introduction Geology Conceptual Physics and Lab	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 None 4 BIO 111 4 None 4 CHM 151 4 None 4 None 4 None	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1101/1110 CHE 1102/1120 GIY 1101 PHY 1100	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Required  Required or Preferred by Major  Required - See Notes  Required - See Notes	must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152 must take both CHM 151 and CHM 152 must take both CHM 151 and CHM 152
T 171 T172 T172 T263 T 271 T272 T172 T272 T172 T172 T172 T172 T	Precalculus Algebra Precalculus Trigonometry Brief Calculus  Calculus I  Calculus II  uired  1): Select 2 courses  General Astronomy I and lab I  Principles of Biology  General Biology I  General Biology II  General Chemistry I  General Chemistry II  Introduction Geology  Conceptual Physics and Lab  College Physics I	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 172 8 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 BiO 111 4 None 4 CHM 151 4 None 4 None 4 None 4 None 4 None 4 MAT 171	MAT 1020 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1102/1120 GIV 1101 CHE 1102/1120 GIV 1101 PHY 1100 PHY 1103	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Required or Preferred by Major  Required - See Notes Required - See Notes Required - See Notes	Motes  must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 115 must take both CHM 151 and CHM 152 must take both CHM 151 and CHM 152 must take both CHM 151 and PIM 152 must take both CHM 151 and PIM 152
T 171 T 172 T 172 T 263 T 271 T 272 T 272 al Credit Hours Req ural Sciences (8 SCI- Prefix 151/151A 110 111 112 A 151 A 151 A 151 111 110/110A 1151 1151	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Uired  1): Select 2 courses  Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology II General Chemistry I General Chemistry II Introduction Geology Conceptual Physics and Lab College Physics I College Physics I College Physics II	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 172 8 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 None 4 BIO 111 4 None 4 CHM 151 4 None 4 None 4 CHM 151 4 None 4 None 4 None 4 Proper Mat 171 4 PPT 151	MAT 1020  MAT 1025  MAT 1035  MAT 1110  MAT 1120   University Course Equivalent  AST 1001  BIO 1201/BIO 1204  BIO 1201/BIO 1204  BIO 1202/BIO 1205  CHE 1102/1110  CHE 1102/1120  GLY 1101  PHY 1100  PHY 1103  PHY 1103  PHY 1104	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Required or Preferred by Major  Required - See Notes  Required - See Notes  Required - See Notes  Required - See Notes  Required - See Notes	must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152 must take both CHM 151 and CHM 152 must take course with lab must take PHY 151 and PHY 152 must take PHY 151 and PHY 152
T 171 T 171 T 172 T 263 T 271 T 272 Il Credit Hours Req ural Sciences (8 SCH Prefix 151/151A 110 111 111 111 110/110A 151 152 151	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus I Calculus II Uired  1): Select 2 courses  Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology II General Chemistry I General Chemistry II Introduction Geology Conceptual Physics I College Physics I College Physics I General Physics I	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 BIO 111 4 None 4 CHM 151 4 None 4 None 4 MAT 271 4 None 4 MAT 271 4 PHY 151 4 MAT 271	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1102/1120 GIV 1101 PHY 1100 PHY 1100 PHY 1100 PHY 1104 PHY 1104 PHY 1150	Credit Hours  Credit Hours  4  4  4  4  4  4  4  4  4  4  4  4  4	Required or Preferred by Major  Required - See Notes  Required - See Notes  Required - See Notes  Required - See Notes	must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152 must take both CHM 151 and CHM 152 must take PHY 151 and PHY 152
T 171 T172 T172 T263 T 271 T272 T177 T177 T177 T177 T177 T177 T	Precalculus Algebra Precalculus Trigonometry Brief Calculus  Calculus I  Calculus I  Calculus II  Uired  11): Select 2 courses  General Astronomy I and lab I  Principles of Biology General Biology I  General Biology II  General Chemistry I  Introduction Geology  Conceptual Physics and Lab  College Physics II  College Physics II  General Physics II  General Physics II  General Physics II  General Physics II	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 BIO 111 4 None 4 CHM 151 4 None 4 None 4 None 4 CHM 151 4 None 4 MAT 271 4 MAT 271 4 PPHY 151 4 MAT 272 and PHY 251	MAT 1020  MAT 1025  MAT 1035  MAT 1110  MAT 1120   University Course Equivalent  AST 1001  BIO 1201/BIO 1204  BIO 1201/BIO 1204  BIO 1202/BIO 1205  CHE 1102/1110  CHE 1102/1120  GLY 1101  PHY 1100  PHY 1103  PHY 1103  PHY 1104	4   4   4   4   4   4   4   4   4   4	Required or Preferred by Major  Required - See Notes	must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152 must take both CHM 151 and PHY 152 must take Course with lab must take PHY 151 and PHY 152 must take PHY 151 and PHY 152
T 171 T 172 T 263 T 271 T 272 T 271 T 272 al Credit Hours Req ural Sciences (8 SCI- Prefix 151/151A 110 111 112 A 151 A 151 A 152 111	Precalculus Algebra Precalculus Trigonometry Brief Calculus  Calculus I  Calculus I  Calculus II  Uired  11): Select 2 courses  General Astronomy I and lab I  Principles of Biology General Biology I  General Biology II  General Chemistry I  Introduction Geology  Conceptual Physics and Lab  College Physics II  College Physics II  General Physics II  General Physics II  General Physics II  General Physics II	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 BIO 111 4 None 4 CHM 151 4 None 4 None 4 MAT 271 4 None 4 MAT 271 4 PHY 151 4 MAT 271	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1102/1120 GIV 1101 PHY 1100 PHY 1100 PHY 1100 PHY 1104 PHY 1104 PHY 1150	Credit Hours  Credit Hours  4  4  4  4  4  4  4  4  4  4  4  4  4	Required or Preferred by Major  Required - See Notes	must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152 must take both CHM 151 and CHM 152 must take PHY 151 and PHY 152
T 171 T 172 T 172 T 263 T 271 T 272 T 272 al Credit Hours Request Sciences (8	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Uired  1): Select 2 courses  Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology II General Chemistry II Introduction Geology Conceptual Physics and Lab College Physics II College Physics II General Physics II	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 BIO 111 4 None 4 CHM 151 4 None 4 None 4 None 4 CHM 151 4 None 4 MAT 271 4 MAT 271 4 PPHY 151 4 MAT 272 and PHY 251	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1102/1120 GIV 1101 PHY 1100 PHY 1100 PHY 1100 PHY 1104 PHY 1104 PHY 1150	4   4   4   4   4   4   4   4   4   4	Required or Preferred by Major  Required - See Notes	must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152 must take both CHM 151 and CHM 152 must take PHY 151 and PHY 152
T 171 1772 1763 1774 1775 1776 1776 1776 1776 1776 1776 1776	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Uired  1): Select 2 courses  Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology II General Chemistry II Introduction Geology Conceptual Physics and Lab College Physics II College Physics II General Physics II	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 None 4 BIO 111 4 None 4 CHM 151 4 None 4 None 4 None 4 HAT 271 4 PHY 151 4 MAT 271 4 MAT 271 4 MAT 272 and PHY 251 8	MAT 1020  MAT 1025  MAT 1035  MAT 1110  MAT 1120   University Course Equivalent  AST 1001  BIO 1201/BIO 1204  BIO 1202/BIO 1204  BIO 1202/BIO 1205  CHE 1101/1110  CHE 1102/1120  GLY 1101  PHY 1100  PHY 1103  PHY 1104  PHY 1150  PHY 1151	4	Required or Preferred by Major  Required - See Notes	must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152 must take both CHM 151 and CHM 152 must take PHY 151 and PHY 152
1711 172 272 263 2771 277 277 1 (Tredit Hours Req 10 (Fedit Hours Req 110 111 112 115 1152 111 110/110A 1551 1552 151 152 151 152 151 152 151 152 151 151	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Uired  1): Select 2 courses  Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology II General Chemistry II Introduction Geology Conceptual Physics and Lab College Physics II College Physics II General Physics II	4 None 4 MAT 171 4 MAT 171 4 MAT 171 4 MAT 172 4 MAT 271 8  Credit Hours Pre-requisites 4 None 4 None 4 None 4 None 4 BIO 111 4 None 4 CHM 151 4 None 4 None 4 None 4 HAT 271 4 PHY 151 4 MAT 271 4 MAT 271 4 MAT 272 and PHY 251 8	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1120  University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1102/1120 GIV 1101 PHY 1100 PHY 1100 PHY 1100 PHY 1104 PHY 1104 PHY 1150	4	Required or Preferred by Major  Required - See Notes	must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 152 must take both CHM 151 and CHM 152 must take PHY 151 and PHY 152

BIO 168	Anatomy & Physiology I	4	E S 2031	4	Elective	Required by major
PHY 151/CHM 151	College Physics I/General Chemistry I	4	PHY 1103/CHE 1101/1110	4	UGETC	Take science sequence not previously taken
Total Credit Hours Required		12		12		

## **Total General Education Hours Required**

46

46

Other REQUIRED HOURS (14-15 SHC)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	<b>Credit Hours</b>	Category	Notes
ACA 122	College Transfer Success	1	None		1	GEC	required by CAA
BIO 169	Anatomy & Physiology II	4	BIO 168	E S 2032	4	Pre-Major	Required by major
PHY 152/CHM 152	College Physics II/General Physics II	4	PHY 151/CHM 151	PHY 1104/CHE 1102/1120	4	See Notes	Required by major
NUT 110 OR BIO 155	Nutrition	3		NUT 2202	3	Elective	Required by major
MAT 152	Statistics	4		STT 2820	4	UGETC	Will substitute for ES 2020

Other Required Hours (15-16 SCH)

16

16

## Total Semester Credit Hours in Program: 62

3rd - 4th Year Plan	Exercise Science, Clinical Exercise Physiology			
Semester	Course	Hours	Notes	_
5	ES 2002 Introduction to Exercise Science	3	Major Requirement	
5	NUT 2202 Nutrition	3	If taken at community college, take Free Elective	
5	ES 2005 Introduction to Physiological Assessment	3	Major Requirement	
5	ES 2020 Measurement and Evaluation in Exercise Science	3	Major Requirement - STT 2810 or 2820 (MAT 151 or 152) can count	
5	PE Activity Course (1530-1889)	1	Major Requirement	
5	Free Elective	3	Major Requirement	16
6	ES 3002 Exercise Physiology	3	Writing in the Discipline	
6	ES 3550 Introduction to Biomechanics	4	Major Requirement	
6	Interdisciplinary Studies Course	3	Major Requirement	
6	Interdisciplinary Studies Course	3	Major Requirement	
6	Free Elective	3		16
7	ES 4625 Concepts of Clinical Exercise Testing	3	Major Requirement	
7	PE Activity Course (1530-1889)	1	Major Requirement	
7	ES 4620 Cardiovascular Physiology	3	Major Requirement	
7	Interdisciplinary Studies Course	3	Major Requirement	
7	ES 3005 Advanced Physiological Assessment	3	CAPSTONE	
7	Free Elective	2		15
8	ES 3900 Internship	6	Major Requirement	
8	ES 4645 Cardiopulmonary Pathophysiology & Rehabilitation	3	Major Requirement	
8	Interdisciplinary Studies Course	3	Major Requirement	
8	Interdisciplinary Studies Course	3	Major Requirement	15
		<u> </u>		62
				62 transfer hours
				124 hours for graduation

Chemistry <u>and</u> Physics sequences are both required for this major.
Cumulative GPA of 2.5, based on a minimum 12 hours of Appalachian credit, required for major declaration.

- Residency Requirements:
   31 hours must be from ASU
- 18 hours in the major must be from ASU
- 9 hours in the minor must be from ASU
- Final 30 hours must be courses taken through ASU (includes internships, study abroad taken through ASU)