BS, Exercise Science, Pre-Professional, 567B Appalachian State University College of Health Sciences **Department of Health and Exercise Science Program of Study** 2017-2018

English Composition 16			iiversai Gener	al Education Transfer Component (U	JGETC)		
composition (0 a	SCH): Complete BOTH English courses						
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
IG 111	Expository Writing	3	None	RC 1000	3	Required	
IG 112	Argument-Based Research	3	ENG 111	RC 2001	3	Required	
otal Credit Hours Requ	ired	6			6		
umanities/Fine Arts (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
RT 111	Art Appreciation	3	None	ART 2011	3		
RT 114	Art History Survey I	3	None	ART 2030	3		
RT 115	Art History Survey II	3	None	ART 2130	3		
OM 231	Public Speaking	3	None	COM 2105	3		
NG 231	American Literature I	3	ENG 112, 113 or 114	ENG 2350	3		
NG 232	American Literature II	3	ENG 112, 113 or 114	ENG 2350	3		
NG 241	British Literature I	3	ENG 112, 113, 114	ENG 2050	3		
NG 242	British Literature II	3	ENG 112, 113, 114	ENG 2050	3		
IUS 110	Music Appreciation	3	None	MUS 2011	3		
IUS 112	Introduction to Jazz	3	None	MUS 2014	3		
HI 215	Philosophical Issues	3	ENG 111	PHL Elective	3		
HI 240	Introduction to Ethics	3		PHL 2000	3		1
otal Credit Hours Requ		6			6		1
ocial /Behavioral Scien	nce (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
CO 251	Principles of Microeconomics	3	None	ECO 2030	3		
CO 252	Principles of Macroeconomics	3	None	ECO 2040	3		
IS 111	World Civilizations I	3	None	HIS 1101	3		
IIS 112	World Civilizations II	3	None	HIS 1102	3		
IIS 131	American History I		None	HIS 1200	3		
IIS 132	American History II		None	HIS 1200	3		
SY 150	General Psychology		None	PSY 1200	3	Required	
OL 120	American Government			P S 1100	3	negariea	
OC 210	Introduction to Sociology		None	SOC 1000	3		
otal Credit Hours Requ		6		300 1000	6		
Nathematics (8 SCH): S	Select 2 courses						
		Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required or Preferred by Major	Notes
Mathematics (8 SCH): S Prefix MAT 171	Course Name	Credit Hours	Pre-requisites None	University Course Equivalent MAT 1020	Credit Hours	Required <u>or</u> Preferred by Major Required	Notes
Prefix NAT 171	Course Name Precalculus Algebra	4	None	MAT 1020	Credit Hours	Required <u>or</u> Preferred by Major Required	Notes
Prefix 1AT 171 1AT 172	Course Name Precalculus Algebra Precalculus Trigonometry	4	None MAT 171	MAT 1020 MAT 1025	Credit Hours 4 4 4		Notes
Prefix MAT 171 MAT 172 MAT 263	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus	4 4	None MAT 171 MAT 171	MAT 1020 MAT 1025 MAT 1035	Credit Hours 4 4 4 4		Notes
Prefix MAT 171 MAT 172 MAT 263 MAT 271	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus 1	4 4	None MAT 171 MAT 171 MAT 172	MAT 1020 MAT 1025 MAT 1035 MAT 1110	Credit Hours		Notes
Prefix MAT 171 MAT 172 MAT 263 MAT 271 MAT 272	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II	4 4	None MAT 171 MAT 171 MAT 172 MAT 271	MAT 1020 MAT 1025 MAT 1035	Credit Hours		Notes
Prefix MAT 171 MAT 172 MAT 263 MAT 271 MAT 272 otal Credit Hours Requ	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II	4 4 4 4	None MAT 171 MAT 171 MAT 172 MAT 271	MAT 1020 MAT 1025 MAT 1035 MAT 1110	4 4 4 4		Notes
Prefix 1AT 171 1AT 172 1AT 263 1AT 271 1AT 272 otal Credit Hours Requiatural Sciences (8 SCH)	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II sired): Select 2 courses	4 4 4 4 4 8 8	None MAT 171 MAT 171 MAT 172 MAT 271	MAT 1020 MAT 1025 MAT 1035 MAT 1110 MAT 1120	4 4 4 4 8	Required	
Prefix MAT 171 MAT 172 MAT 263 MAT 271 MAT 272 otal Credit Hours Requiatural Sciences (8 SCH) Prefix	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II iried 2: Select 2 courses Course Name	4 4 4 4 8 Credit Hours	None MAT 171 MAT 171 MAT 171 MAT 172 MAT 271 Pre-requisites	MAT 1020 MAT 1025 MAT 1035 MAT 1110 MAT 1120 University Course Equivalent	4 4 4 4		Notes Notes
Prefix HAT 171 HAT 172 HAT 263 HAT 271 HAT 272 TOTAL CREDIT HOURS REQUIRED TO THE PREFIX ST 151/151A	Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus I Calculus II Calculus	4 4 4 4 8 Credit Hours	None	MAT 1020 MAT 1025 MAT 1035 MAT 1110 MAT 1120 University Course Equivalent AST 1001	4 4 4 4 8	Required	
Prefix IAT 171 IAT 172 IAT 263 IAT 263 IAT 271 IAT 272 otal Credit Hours Requ atural Sciences (8 SCH) Prefix ST 151/151A	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II sired): Select 2 courses Concrea Name General Astronomy I and lab I Principles of Biology	4 4 4 4 4 8 Credit Hours	None MAT 171 MAT 171 MAT 172 MAT 271 Pre-requisites None None	MAT 1020 MAT 1025 MAT 1025 MAT 1015 MAT 1110 MAT 1110 MAT 1120 University Course Equivalent AST 1001 BIO 1201/BIO 1204	4 4 4 4 8	Required	Notes
Prefix	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus I Calculus I Calculus II Cilculus II Cilculus II General Astronomy I and lab I Principles of Biology General Biology I	4 4 4 4 8 Credit Hours 4 4 4 4	None MAT 171 MAT 171 MAT 171 MAT 172 MAT 271 Pre-requisites None None None None None None None Materials MAT 172 MAT 172 MAT 173 MAT 174 MAT 175	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	4 4 4 4 8	Required	Notes Must take both BIO 111 and BIO 112
Prefix IAT 171 IAT 172 IAT 172 IAT 273 IAT 271 IAT 272 IAT 273 IAT 273 IAT 274 IAT 275 IAT 276 IAT 277 IAT 277	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II iired Cselect 2 courses Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology I General Biology II	4 4 4 8 Credit Hours 4 4 4 4 4 4 4 4 4 4 4	None MAT 171 MAT 172 MAT 172 MAT 271 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 1204 BIO 1202/BIO 1205	4 4 4 4 8	Required Required or Preferred by Major	Notes must take both BIO 111 and BIO 112 must take both BIO 111 and BIO 112
Prefix IAT 171 IAT 172 IAT 172 IAT 263 IAT 271 IAT 272 otal Credit Hours Requ atural Sciences (8 SCH) Prefix ST 151/151A 0 110 0 111 0 112 IM 151	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Jired J: Select 2 courses Course Name General Astronomy I and lab I Principles of Biology General Biology I General Chemistry I	4 4 4 8 8 Credit Hours 4 4 4 4 4 4 4	None	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1110 MAT 1120 University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1101/CHE 11110	4 4 4 4 8	Required Required or Preferred by Major Required - See Notes	Motes must take both BIO 111 and BIO 112 must take both BIO 1111 and BIO 112 must take both BIO 1111 and BIO 112
Prefix IAT 171 IAT 172 IAT 263 IAT 263 IAT 271 IAT 272 otal Credit Hours Requ atural Sciences (8 SCH) Prefix ST IO 110 IO 111 IO 112 HM 151 HM 151	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Calculu	4 4 4 8 Credit Hours 4 4 4 4 4 4 4 4 4 4 4	None MAT 171 MAT 171 MAT 171 MAT 172 MAT 271 MAT 271	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 1101/CHE 1110 CHE 1101/CHE 1110 CHE 1102/CHE 1120	4 4 4 4 8	Required Required or Preferred by Major	Motes must take both BIO 111 and BIO 112 must take both BIO 1111 and BIO 112 must take both BIO 1111 and BIO 112
Prefix IAT 171 IAT 172 IAT 172 IAT 273 IAT 271 IAT 272 otal Credit Hours Requ atural Sciences (8 SCH) Prefix ST 151/151A 10 110 10 111 10 112 HM 151 HM 152 EL 111	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus I Calculus II Uried Calculus II Uried Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology I General Chemistry I General Chemistry I Introduction Geology	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	None MAT 171 MAT 172 MAT 172 MAT 271 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 1101/CHE 1110 CHE 1102/CHE 1120 GIY 1101	4 4 4 4 8	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 15 must take both CHM 151 and CHM 15
Prefix IAT 171 IAT 172 IAT 172 IAT 263 IAT 271 IAT 272 otal Credit Hours Requ atural Sciences (8 SCH) Prefix ST 151/151A O 110 O 111 O 112 IM 151 IM 152 EL 111 IV 110/110A	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Jired J: 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 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	None MAT 171 MAT 171 MAT 172 MAT 271 Pre-requisites None None None None CHM 151 None None None None	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1110 MAT 1120 University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1101/CHE 1110 CHE 1102/CHE 1110 CHE 1102/CHE 1120 G[Y 1101 PHY 1100	4 4 4 4 8	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 15 must take both CHM 151 and CHM 15 must take both CHM 151 and CHM 15
Prefix IAT 171 IAT 172 IAT 263 IAT 273 IAT 272 IAT 263 IAT 271 IAT 272 IAT 264 IAT 275 IAT 276 IAT 277 IAT 276	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Calculus II Silred): Select 2 courses Course Name 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 I	Credit Hours 4 4 4 4 4 4 4 4 4 4 4 4 4	None MAT 171 MAT 171 MAT 172 MAT 271 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 1101/CHE 1110 CHE 1102/CHE 1110 CHE 1102/CHE 1110 PHY 1103	4 4 4 4 8	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 112 must take both CHM 151 and CHM 15 must take both CHM 151 and CHM 15 must take both CHM 151 and CHM 15 must take course with lab must take PHY 151 and PHY 152
Prefix IAT 171 IAT 172 IAT 172 IAT 273 IAT 271 IAT 272 otal Credit Hours Requ atural Sciences (8 SCH) Prefix ST 151/151A 10 110 10 111 10 112 IHM 152 EL 111 HY 110/110A HY 151 HY 151	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Litred J: 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 II	Credit Hours Credit Hours 4 4 4 4 4 4 4 4 4 4 4 4 4	None MAT 171 MAT 172 MAT 271 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 1101/CHE 1110 CHE 102/CHE 1110 GLY 1101 PHY 1100 PHY 1100 PHY 1100 PHY 1100 PHY 1101	4 4 4 4 8	Required or Preferred by Major Required - See Notes 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 15 must take both CHM 151 and CHM 15 must take both CHM 151 and CHM 15 must take course with lab must take PHY 151 and PHY 152 must take PHY 151 and PHY 152
Prefix 1AT 171 1AT 171 1AT 172 1AT 263 1AT 263 1AT 271 1AT 272 otal Credit Hours Requ latural Sciences (8 SCH) Prefix ST 151/151A 10 110 10 111 10 112 1HM 151 1HM 152 EL 111 1HY 110/110A HY 151 HY 152 HY 152 HY 251	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus II Jired J: Select 2 courses Course Name General Astronomy I and lab I Principles of Biology General Biology I General Biology I General Chemistry I General Chemistry II Introduction Geology Conceptual Physics and Lab College Physics I General Physics II General Physics II	Credit Hours Credit Hours 4 4 4 4 4 4 4 4 4 4 4 4 4	None MAT 171 MAT 172 MAT 172 MAT 271 Pre-requisites None None None None None None None MAT 171 None MAT 171 MAT 271 MAT 271 MAT 271 MAT 271 MAT 271	MAT 1020 MAT 1025 MAT 1025 MAT 1035 MAT 1110 MAT 1110 MAT 1120 University Course Equivalent AST 1001 BIO 1201/BIO 1204 BIO 1201/BIO 1204 BIO 1202/BIO 1205 CHE 1101/CHE 1110 CHE 1102/CHE 1120 GIY 1101 PHY 1100 PHY 1100 PHY 1100 PHY 1100 PHY 1101 PHY 1101 PHY 1104 PHY 1105	4 4 4 4 8	Required or Preferred by Major 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 CHM 151 and CHM 15: must take both CHM 151 and CHM 15: must take both CHM 151 and PHY 152 must take PHY 151 and PHY 152 must take PHY 251 and PHY 252
Prefix IAT 171 IAT 172 IAT 172 IAT 272 IAT 263 IAT 271 IAT 272 IAT 273 IAT 187 IAT	Course Name Precalculus Algebra Precalculus Trigonometry Brief Calculus Calculus I Calculus I Calculus II Select 2 courses Course Name General Astronomy I and lab I Principles of Biology General Biology II General Biology II General Chemistry I Introduction Geology Conceptual Physics and Lab College Physics I College Physics I General Physics I	Credit Hours Credit Hours 4 4 4 4 4 4 4 4 4 4 4 4 4	None MAT 171 MAT 172 MAT 271 Pre-requisites None None None HOne HOne HOne MAT 171 None MAT 171 None MAT 171 MAT 272	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/CHE 1110 CHE 102/CHE 1110 GLY 1101 PHY 1100 PHY 1100 PHY 1100 PHY 1100 PHY 1101	4 4 4 4 8	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 112 must take both BIO 111 and BIO 112 must take both CHM 151 and CHM 15 must take both CHM 151 and CHM 15 must take course with Iab must take PHY 151 and PHY 152 must take PHY 151 and PHY 152

Total UGETC Hours 34 34

	Additional General Education Courses (11-12 SHC)						
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Category	Notes
BIO 111	General Biology I	4		BIO 1801	4	UGETC	Required (minimum grade B- for major)
BIO 168	Anatomy & Physiology I	4		E S 2031	4	Elective	Required (minimum grade B for 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
MAT 152	Statistics	4		STT 2810 or 2820	4	UGETC	Required by major (replaces ES 2020)
Total Credit Hours Requ	Fotal Credit Hours Required 16				16		

Total General Education Hours Required

50

50

Other REQUIRED HOURS (14-15 SHC)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	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 (minimum grade B for major)
PHY 152/CHM152	College Physics II/General Physics II	4	PHY 151/CHM 151	PHY 1104/CHE 1102/1120	4	See Notes	Required by major
BIO 155 or NUT 110	Nutrition	3		NUT 2202	3	Elective	Required by major

Other Required Hours (15-16 SCH)

12

12

Total Semester Credit Hours in Program: 62

3rd - 4th Year Plan:	Exercise Science, Pre-Professional		3.3 cumulative Appstate GPA required to qualify for Pre-Professional Program	
Semester	Course	Hours	Notes	
5	ES 2002 Introduction to Exercise Science	3	Major Requirement	
5	ES 2005 Introduction to Physiological Assessment	3	Major Requirement	
5	ES 2020 Measurement & Evaluation in Exercise Science	3	IF MAT 152 (STT 2810 or 2820) taken at community college, take Free Elective	
5	NUT 2202 Nutrition	3	If taken at community college, take Free Elective	
5	Interdisciplinary Studies Elective	3	Major Requirement	
5	PE Activity Course (1530-1889)	1	Major Requirement	16
6	ES 3002 Exercise Physiology	3	Writing in the Discipline	
6	ES 3550 Introduction to Biomechanics	4	Major Requirement	
6	Biological Sciences Course	4	Major Requirement	
6	Psychological Sciences Elective	3	Major Requirement	
6	Interdisciplinary Studies Elective	3	Major Requirement	17
7	ES 3005 Advanced Physiological Assessment	3	CAPSTONE	
7	Physical Sciences Course	4	Major Requirement	
7	Interdisciplinary Studies Elective	3	Major Requirement	
7	Free Elective	3		13
8	ES 4050 Practicum	3	Major Requirement	
8	Interdisciplinary Studies Elective	3	Major Requirement	
8	Interdisciplinary Studies Elective	3	Major Requirement	
8	Psychological Sciences Course	3	Major Requirement	
8	PE Activity Course (1530-1889)	1	Major Requirement	
8	Free Elective	3		16
		·		62
				62 transfer hours
				124 hours for graduation

• A cumulative GPA of 3.3 based on a minimum of 12 semester hours at Appalachian, and a B minimum in ES 2031/2032, and a B $minimum\ in\ CHE\ 1101/1102\ and\ BIO\ 1801\ is\ required\ for\ acceptance\ into\ the\ Pre-professional\ concentration\ and\ must\ be\ maintained\ to$ remain in the concentration

- Chemistry and Physics sequences are required for the 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)