

**Exercise Science General Education (fall 2013)**

**Name:**

**University ID:**

**Advisor:**

**Bulletin:**

**Major Courses (68 Credit Hours)**

**A grade of C or higher is required in all Major Courses.**

<b>Class Title</b>	<b>*HPER Class</b>	<b>Cr Hrs</b>	<b>Prerequisite</b>	<b>Substitute Crse &amp; Cr Hrs</b>	<b>Grade</b>	<b>Notes</b>
Learning Community (new students/transfers w/ <18 hrs)	HPER-L 135	1				
Camp Brosius: Dynamics of Camp Leadership & Recreation Leadership Skills	HPER- R 275 and HPER- R 100	2 and 1				
First Aid & Emergency Care	HPER-H 160	3				
Nutrition for Health	HPER-N 220	3				
Microcomputer Applications in Kinesiology	HPER-P 200	3				
Structural Kinesiology	HPER-P 205	3				
Introduction to Exercise Science	HPER-P 212	3				
Principles & Practice of Exercise Science	HPER-P 215	3				
Performance & Teaching of Cardiovascular & Resistance Training	HPER-P 246	3				
Performance and Teaching of Activities of Persons with Special Needs	HPER-P 258	1				
Resistance Exercise and Sports Conditioning	HPER-P 373	3	BIOL-N 261 & N 217, HPER-P 215			
Basic Electrocardiogram for Exercise Sciences	HPER-P 374	2	BIOL-N 261 & N 217, HPER-P 215			
Biomechanics	HPER-P 391	3	PHYS-P 218			
Theory and Practice of Cardiovascular Exercise	HPER-P 403	3	BIOL-N 261, HPER-P 215 & P 246			
Intro to Sport Psychology	HPER-P 405	3	PSY-B 110			
Basic Physiology of Exercise	HPER-P 409	3	BIOL-N 261 & N 217, HPER-P 215			
Physical Activity Programming for Individuals with Disabilities and Other Special Populations	HPER-P 410	3	BIOL-N 261, HPER-P 215, HPER-P 246, P258 (pre or coreq)			
Physical Activity & Disease: Prevention & Treatment	HPER-P 417	3	HPER-P 409 & P 419			
Fitness Testing & Interpretation	HPER-P 419	3	MATH-M118 or higher, BIOL-N 261 & N 217, HPER-P 215			
Exercise Leadership & Program Design for Apparently Healthy & Special Populations	HPER-P 420	3	HPER-P 373, P 403, P417 (pre or coreq)			
Motor Learning	HPER-P 452	3	BIOL-N 261, BIOL-N 217 & Junior Standing			
<b>Internships</b>						
Internship in Exercise Science	HPER-P 443	3	HPER-P 373, 374, 403, 409, 410 (pre or coreq), 419			
Professional Practice Programs in Physical Education, Health, & Recreation (Internship)	HPER-P 393	7	HPER-P 410, 417, 420, 443			

**\*A grade of C or higher is required.**

A GPA of 2.0 must be obtained in General Education Requirements.  
**\*\*Courses for General Education can be found at [go.iupui.edu/gened](http://go.iupui.edu/gened).**

**General Education Requirements (36-37 Credit Hours)**

*Completed General Education at another university - Yes*

Class Title	Class	Cr Hrs	Recommended Course	Substitute Crse & Cr Hrs	Grade	Notes
Core Communication	*ENG-W 131	3				
Core Communication	*COMM-R 110	3				
Social Science	PSY-B 110	3				
Cultural Understanding		3	**General Education			
Arts & Humanities		3	**General Education			
Arts & Humanities or Social Science		3	**General Education			
Life & Physical Science	*BIOL-N 261 (BIOL-K 101 for PreMed)	5				
Life & Physical Science	*BIOL-N 217 (BIOL-K 103 for PreMed)	5				
Analytical Reasoning	MATH 15900 or 15300 & 15400	5-6				
Analytical Reasoning	300 level statistics	3				

**Additional Sciences and Math Courses (9 credit hours)**

Class Title	Class	Cr Hrs	Prerequisite	Substitute Crse & Cr Hrs	Grade	Notes
Principles of Chemistry I	CHEM-C105	3	Based on Math Placement test			
Principles of Chemistry I Lab	CHEM-C125	2				
General Physics I	PHYS 21800	4	MATH 15900 or MATH 15300 & 15400			

**Electives (7 Credit Hours)**

Successful completion of classes required for professional school may count for the required 7 credit hours of electives.

Class Title	Class	Cr Hrs	Prerequisite	Substitute Crse & Cr Hrs	Grade	Notes

**Courses that Do Not Count Toward Degree**

Class	Cr Hrs	Grade	Class	Cr Hrs	Grade	Note

<b>Total Credit Hours</b>	
<b>Do Not Count</b>	
<b>Total Credit Hours</b>	
<b>Cr Hrs to Reach 120-121</b>	

**GPA:** Graduation GPA is 2.0 or higher

**Residency Requirement:** Complete at least 30 credit hours of the last 60 credit hours while a PETM student and the 30 credit hours should include either one 12 credit hour regular semester or two 6 credit hour summer sessions.

**Additional Courses for Professional School (courses listed are pre-requisites for IU programs unless indicated otherwise)  
Classes for professional school should be taken along with courses required for the Exercise Science degree.**

**Pre-PT Program (13-15 hours)**

Class Title	Class	Cr Hrs	Prerequisite	Substitute Crse & Cr Hrs	Grade	Notes
Principles of Chemistry II	CHEM-C106	3	CHEM-C 105			
Principles of Chemistry II Lab	CHEM-C 126	2	CHEM-C 125			
Medical Terminology	CLAS-C 209/ HIA-M 330/ RADI-R 108	2 or 3 or 1				
Lifespan Development	PSY-B 310	3	PSY-B 110			
Physics	PHYS 21900	4	PHYS 21800			

**Pre-OT Program (10-12 hours)**

Class Title	Class	Cr Hrs	Prerequisite	Substitute Crse & Cr Hrs	Grade	Notes
Abnormal Psychology	PSY-B 380	3	PSY-B 110			
Lifespan Development	PSY-B 310	3	PSY-B 110			
Medical Terminology	CLAS-C 209/ HIA-M 330/ RADI-R 108	2 or 3 or 1				
Introduction to Sociology OR Introduction to Anthropology	SOC-R 100 OR ANTH-A 104	3				

**Pre-Med Program (25-28 hours)**

Class Title	Class	Cr Hrs	Prerequisite	Substitute Crse & Cr Hrs	Grade	Notes
Principles of Chemistry II	CHEM-C106	3	CHEM-C 105			
Principles of Chemistry II Lab	CHEM-C 126	2	CHEM-C 125			
Organic Chemistry I	CHEM-C 341	3	CHEM-C 106			
Organic Chemistry I Lab	CHEM-C 343	2	CHEM-C 126			
Organic Chemistry II	CHEM-C 342	3	CHEM-C 341			
Organic Chemistry II Lab	CHEM-C 344	2	CHEM-C 342			
Biochemistry	BIOL- K483 or CHEM-C484 & C485	3 or 3 and 3	CHEM-C 342 (for BIOL-K 483 & CHEM-C 484) and CHEM-C484 (for CHEM-C485)			
Physics	PHYS 21900	4	PHYS 21800			
Introduction to Sociology	SOC-R 100	3				

**Pre-PA Program (34-43 hours)**

Class Title	Class	Cr Hrs	Prerequisite	Substitute Crse & Cr Hrs	Grade	Notes
Concepts of Biology I	BIOL-K 101	5				
Concepts of Biology II	BIOL-K 103	5				
Principles of Chemistry II	CHEM-C106	3	CHEM-C 105			
Principles of Chemistry II Lab	CHEM-C 126	2	CHEM-C 125			
Organic Chemistry I	CHEM-C 341	3	CHEM-C 106			
Organic Chemistry I Lab	CHEM-C 343	2	CHEM-C 126			
Organic Chemistry II (Butler program only)	CHEM-C 342	3	CHEM-C 341			
Organic Chemistry II Lab(Butler program only)	CHEM-C 344	2	CHEM-C 342			
Microbiology	BIOL-K 356 and K 357 OR MICR-J 210	3 and 2 OR 4	BIOL-K 103, CHEM-C 341, AND BIOL-K 357			
Medical Terminology (IU program only)	CLAS-C 209 OR HIA-M 330	2 OR 3				
Introduction to Sociology (IU program only) or Intro to Psychology (IU program only)	SOC-R 100 or PSY-B 110	3				

**Pre-Optometry ( 39-42 hours)**

<b>Class Title</b>	<b>Class</b>	<b>Cr Hrs</b>	<b>Prerequisite</b>	<b>Substitute Crse &amp; Cr Hrs</b>	<b>Grade</b>	<b>Notes</b>
Concepts of Biology I or II	BIOL-K 101 or BIOL-K 103	5	BIOL-K 101			
Advanced Biology (animal or developmental)	BIOL-K 322 or	3 or	BIOL-K 103 and CHEM-C 106			
	BIOL-K 324 or	3 or	BIOL-K 103 and CHEM-C 106			
	BIOL-N 261 or BIOL-N 217	5 or 5				
Microbiology with Lab	BIOL-K 356  and	3  and	BIOL-K 103 & CHEM-C 341  Pre or Coreq: BIOL-K 356			
	BIOL-K 357	2				
General Chemistry with Lab	CHEM-C 106 and CHEM-C 126	3 and 2	CHEM-C 105 and CHEM-C 125			
Organic Chemistry	CHEM-C341  and	3  and	CHEM-C 106  CHEM-C 126 and Pre or Coreq: CHEM-C 341			
	CHEM-C 343	2				
MATH (total of 4 credit hours required, one course must be calculus)	MATH 16500 or MATH 22100 or MATH 23100	4 or 3 or 3	MATH 15900			
Physics	PHYS-P 201  and	5  and	MATH 15900  PHYS-P 201			
	PHYS-P 202	5				
Additional Intensive Writing Course	ENG-W 132 or ENG-W 231 or TCM 2200 or TCM 32000	3	ENG-W 131			