

Natural Science/Pre-Physical Therapy track B.S. Program: Requirements for Graduation (self-audit)

120 credit minimum¹

Step 1: place the students course grade in the box and then place a check mark (✓) to the right of the box if the grade is a "D" or higher

LIBERAL STUDIES REQUIREMENTS

Course description	Course number	Cr	
Composition I	ENGL 101	3	
Composition II	ENGL 202	3	
Humanities Literature	ENGL 121, or FNLG 121	3	
History (Amer., European, or global)	HIST 196, or HIST 197, or HIST 198	3	
Philosophy or Religious Studies	PHIL 120, RLST 100, or other _____ (9 options)	3	
Fine Arts	ARHI 101, MUHI 101, THTR 101, or DANC 102	3	
"Wellness"/Dimensions of Wellness	HPED 143, NURS 143, FDNT 143, or MLSC 101+102	3-4	
General Psychology	PSYC 101	3	
Non-Western Culture /Global and Multicultural Awareness Social Sci.	ANTH 110, ANTH 211, GEOG 103, GEOG 104, RGPL 103, or PLSC 101	3	
Basic Economics	ECON 101	3	
Non-Major Writing Intensive course ¹	PSYC 280 (recommended), or JRNL 105 ... etc. (NOTE: be sure to take a writing intensive section)	3	

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NATURAL SCIENCE REQUIREMENTS

Prin. of Ecology and Evolution	BIOL 201 (previously offered as BIOL 112) ²	4	
Prin. of Cell and Molecular Biology	BIOL 202 (previously offered as BIOL 111) ²	4	
Human Anatomy/Adv. Human Anat.	BIOL 150 (previously a 3 credit course) ³ or BIOL 402	4	
Human Physiology	BIOL 240 (previously offered as BIOL 151) ³	4	
Intro to Medical Microbiology	BIOL 241 (previous title "Gen. Microbiology", 3 cr.) ³	4	
Prin. of Genetics and Development	BIOL 203 – W (prev. offered as BIOL 263, 3 cr) ²	4	
General Chemistry I	CHEM 111 (CHEM 113 is an acceptable substitution)	4	
General Chemistry II	CHEM 112 (CHEM 114 is an acceptable substitution)	4	
Organic Chemistry I	CHEM 231	4	
Organic Chemistry II (or Biochem.)	CHEM 232 (CHEM 351 is an alternative)	4	
Physics I (Lecture)	PHYS 111 (PHYS 131 is an acceptable substitution)	3	
Physics I (Laboratory)	PHYS 121 (PHYS 141 is an acceptable substitution)	1	
Physics II (Lecture)	PHYS 112 (PHYS 132 is an acceptable substitution)	3	
Physics II (Laboratory)	PHYS 122 (PHYS 142 is an acceptable substitution)	1	
Calculus I for Nat. and Soc. Sci.	MATH 121	4	
Probability and Statistics for Nat. Sci.	MATH 216	3	

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OTHER REQUIREMENTS

Computer Literacy	COSC 101	3	
Intermediate level foreign language	SPAN 201; FRNC 201 + FRNC 202; etc.	4	

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¹ Students participating in a 3+1 program (i.e. accepted for early admission to a DPT program) must have at least 90 IUP credits (minimum) when they leave IUP; their first 30 credits of work from professional school will also count as their last 30 credits for the Natural Science degree. Such students are exempt from taking the non-major writing intensive course. Only enough free elective credits (next page) required either to meet or to exceed the 90 credit threshold are needed in this case. All other requirements must be met.

² Changed starting in AY 2014-15

³ Changed starting in AY 2015-16

Free Electives (including any recommended⁴, advanced, or remedial courses taken)

Step 2: List courses that you took as free electives in the above table

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Step 3: Things to look for as you audit your transcript:

- A. (YES or NO) Will you meet all of the requirements for Natural Science/Pre-Physical Therapy degree (In other words, was each box on the right-hand side of the two tables on page 1 checked in step #1)? – note that the exact course numbers were followed in each case⁵
 - B. (YES or NO) Will your credit total pass the 120 credit threshold required for graduation? NOTE: if a course appears on your URSA transcript twice (because you either repeated it, having gotten a “D” grade the first time and did not yet file a D/F repeat form, or because you transferred the course in from another institution and then also took it for credit here at IUP), your URSA credit total will be erroneously high.
 - C. (YES or NO) Will your major (i.e. Natural Science) GPA exceed the 2.00 minimum? Use the Natural Science GPA Calculator to determine.

If you did not answer “YES” to each of these three questions, your application for graduation will be rejected.

Step 4: Other questions that you should consider:

- A. Do you qualify for a minor in another area? If you do, you need to go to the relevant department and fill out the appropriate form (**a minor will not automatically be issued**).
 - B. Did you apply for graduation? Your options are either May, August, or December. Whichever you anticipate, **you need to file both an on-line and a paper application**, the latter of which is filed through the Dean's office in room 305.
 - C. Did you complete 100 hours of **shadowing** with a Physical Therapist? (NOTE: Although this activity will not be required for your IUP graduation it is, none-the-less, essential if you are applying to professional school)
 - D. Have you taken the **GRE**? (NOTE: not all DPT granting schools require that their applicants take this standardized exam, but some schools may require that scores from either the GRE or some other standardized test be submitted as part of a prospective student's application package)
 - E. If you are applying to schools outside of those that are affiliated with IUP, have you checked to ensure that you have met all of their requirements for admission?
 - F. Will your application package to DPT programs be viable? Students with GPAs (overall and in math and science) below 3.2 have not had great success in being admitted to these post-graduate programs. If your GPA (overall and math and science) is below 3.2, make an appointment with the program Coordinator to discuss the possibility of selecting an alternate major.

⁴ recommended courses to take as free electives for students in the Pre-Physical therapy track are: PSYC 280 (Psychological Inquiry), PSYC 310 (Developmental Psychology), PSYC 321 (Abnormal Psychology), HPED 343 (Physiology of Exercise), HPED 346/346 (Surg, Orth, Sport Inj.) lecture/lab); BIOL 477 (Neurobiology).

⁵ Substitutions for specific courses are occasionally granted on a case-by-case basis — ask your advisor.