

SAMPLE Four Year Plan | Bachelor of Science in Education - Physics

The curriculum in the College of Education and Professional Studies is structured so that students move through classes in a prescribed order. Prerequisites are important and are strongly enforced. The four year plan illustrates the type of curriculum a new freshman could take to complete a degree in four years; it is not an official document. Refer to Academic Advising Report for full requirements.

First Year

Fall

ENGLISH 100 or 101- Intensive College Writing and Reading or College Writing and Reading	3-4	
CHEM 102 – General Chemistry I	5	
MATH 142 – College Algebra	4	
CORE 110 -World of the Arts	3	
INTRAUNV 104- New Student Seminar	1	
PHYSICS 190 – Frontiers of Engineering and Physics *	1	

Total 17-18

Spring

ENGLISH 102 - College Writing, Reading, and Research	3	
CHEM 104 – General Chemistry II	5	
MATH 151 or 152 – Trigonometry or Precalculus	3-5	
BIOLOGY 141- Introductory Biology I	5	

Total 16-18

First Year Advising Notes: By the end of the first year your GPA should be a minimum of 2.75 in order to meet the basic requirements for admission to the College of Education and Professional Studies.

Goals: Talk to your academic advisor about your interests and goals and begin to understand career options for your major. Explore student groups and organizations and join one that feels right for you. These groups offer a great way to learn more about the major and begin networking. Explore on-campus resources such as undergraduate research opportunities, the Mary Poppe Chrisman Success Center, and the Office of Global Experiences.

After your first year: Become comfortable in understanding and reading your Academic Advising Report.

Second Year

Fall

PHYSICS 140 or 180 – Principles of Physics I or Physics for Scientists and Engineers I	5	
BIOLOGY 142 – Introductory Biology II	5	
MATH 253 – Calculus and Analytic Geometry I	5	
PEGENRL 192- Personal Health and Fitness for Life	1	

Total

16

Spring

PHYSICS 141 or 181 – Principles of Physics II or Physics for Scientists and Engineers II	5	
EDFOUND 212- Educational Psychology	3	
MATH 254 - Calculus and Analytic Geometry II	4	
GEOLOGY 100 or 214 or GEOGRPY 210 – Principles of Geology or Earth's Environmental History or Physical Geography	4-5	

Total 16-17

Second Year Advising Notes: Get to know the resources available to you in Winther Hall such as the Cloud Lab, the Office of Clinical Experiences, and the Academic Advising Office.

Goals: Pursue a leadership position within a student organization or volunteer group. Get to know your professors, especially in your major. Start connecting what you learn in the classroom to how it will apply to your career.

After your second year: Understand your program plan and graduation requirements.



University of Wisconsin
Whitewater

College of Education and Professional Studies

Third Year

Fall

EDFOUND 243 - Foundations of Education in a Pluralistic Society	3	
EDFOUND 210 - Introduction to Education and Teaching	3	
COMM 110 - Introduction to Public Speaking	3	
PHYSCS 324 – Methods of Theoretical Physics *	4	
BIOLOGY 214 or 257 or GEOGRPY 252 – Ecology and Society or Introduction to Ecology or Global Environmental Challenges	3	
PHYSCS 221 – Intermediate Laboratory *	2	

Total 18

Spring

PHYSCS 389 – Junior Seminar *	1	
PHYSCS 344 – Modern Physics *	4	
ELEMMID 324 – Teaching of Science in the Elementary/Middle School	3	
ASTRONMY 112 – Introduction to Astronomy	5	
ENGLISH 370 or PWP 371 – Advanced Composition or Writing in the Sciences	3	

Total 16

Third Year Advising Notes: To stay on track, you should complete your foundation block courses by the beginning of your third year. You should plan to apply for admission to Professional Studies at the beginning of your fifth semester, once you have completed 40 credits. Make sure you meet the basic requirements for admission by visiting our website: <https://www.uww.edu/coeps/advising-licensure#admissions>

A faculty member will be assigned as your advisor once you are admitted to Professional Studies. They should be used to help you determine your program plan.

Goals: Be admitted to Professional Studies. Attend the Hawk Career Fair as well as networking events and employer information meetings.

After your third year: Work with your faculty advisor to make sure you're on track to graduate. Continue to seek major-related employment.

Fourth Year

Fall

CORE 130- Individual and Society	3	
SECNDED 429 – Methods of Teaching Science *	3	
CIFLD 352 – Science Pre-ST Middle OR CIFLD 354 – Science Pre-ST Secondary	2	
SECNDED 466 – Literacy in the Disciplines	3	
SPECED 205 - Introduction to Special Education	3	
CORE 120 or 140- Historical or Global Perspectives	3	

Total 17

Spring

CORE 390 - World of Ideas	3	
EDFOUND 425 - Measurement and Evaluation in the Secondary School	3	
Physics Elective (300 or 400 Level)	4	
General Education Elective	3	

Total 13

Courses in red require Admission to Professional Studies. You will not be allowed to register for these courses without applying, and being admitted to Professional Studies. Courses denoted with a * are only offered in the semester listed.

Fourth Year Advising Notes: Apply for graduation online through the Registrar's Office one full semester before you anticipate graduating. Complete all required testing. Work with your program coordinator and the Office of Clinical Experiences in order to confirm your student teaching placement.

Goals: Work with the Career Service Office to perfect your resume and cover letter. Attend networking events, career fairs, and employer information meetings. Read professional journals and consider a student membership in a professional organization.

Fifth Year

Fall

CIFLD 452 - Science ST Middle OR CIFLD 454 - Science ST Secondary	12	
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Total 12

Students must begin their Math and English sequences with the appropriate course. The English course a student starts with will be determined by their ACT English or SAT Verbal score. The Math course a student starts with will be determined by their UW System math placement score.

Admission to Professional Studies is required for students to take upper division courses in their educator preparation program. Eligibility requirements can be found at: <http://www.uww.edu/coeps/advising-admissions/admission-to-professional-education>

Physics BSE program completers will be licensed to teach Science in grades 4-12. This license authorizes candidates to teach coursework in Biology, Chemistry and Physics.

Students will be required to pass additional assessments prior to student teaching and licensure.