

3+3 Pacific Joint Program (3+3 PJP)

This document outlines a path for Pacific University undergraduate Environmental Science (with an emphasis in toxicology and chemistry) students to pursue guaranteed admission interviews at Pacific University School of Pharmacy (PharmD) through the *3+3 Pacific Joint Program (3+3 PJP)*. Students following this program will be able to obtain both a Bachelor of Science degree (with an emphasis in Environmental Toxicology & Chemistry) and a PharmD degree. The Bachelor of Science degree will be awarded after completion of 3 years of the Environmental Toxicology & Chemistry curriculum (this is a program that already exists in the College of A&S), plus the first year of the PharmD curriculum (Appendix I). Successful students will then proceed to complete their last two years of the PharmD curriculum to earn their doctoral degree. For eligible undergraduate students, this program aims to nurture career interests, provide enriching pre-professional development, and pave a way for success in receiving both a BS and the PharmD degree.

Faculty and staff at Pacific University support students through four key phases of the 3+3 PJP: 1. outreaching to prospective students; 2. applying to the 3+3 PJP; 3. completing the 3+3 PJP requirements, and transitioning to the PharmD program.

1. Outreaching to Prospective Students

- Representatives from the School of Pharmacy (SOP) facilitate information sessions to educate students about pharmacy careers, explain criteria for admissions to PharmD, and discuss opportunities provided through the joint Program.
- Undergraduate Advisors let their advisees know about the program through targeted outreach, advising sessions, workshops, and newsletters.

2. Applying to the 3+3 PJP

Undergraduate students may apply to the 3+3 PJP after completing the first semester of the BS Environmental Science program. This timing allows students to complete sufficient coursework to assess their interest in the PharmD program and whether they meet initial qualifications for entering the joint program.

To be admitted to the 3+3 PJP, students must meet the following requirements:

- A. Complete at least 34 credits of the freshman first year including the following core
 - Hum 100, 4 cr
 - Bio 200 or 201, 4 cr
 - Chem 220 & CHem 230, 8 cr
 - Math 226, 4 cr
- B. Maintain minimum grades in coursework, including:
 - Grade of C or higher in all core courses
 - Cumulative GPA of 3.0 or higher
 - Science GPA of 3.0 or higher
- C. Remain in good academic standing as certified by the Office of the Registrar.

3. Completing PJP Requirements

To continue as 3+3 PJP participants, students must remain in good standing and meet the following conditions:

- A. Maintain minimum grades in coursework, including:
 - Cumulative GPA of 3.0 or higher
 - Science GPA of 3.0 or higher
- B. Meet twice a year with the Undergraduate Advisors to discuss academic progress and evidence of engagement that support Pacific's PharmD co-curricular goals:
 - Strong commitment to service/empathy
 - Exposure and commitment to diversity
 - Leadership development
 - Academic enrichment
- C. With guidance of their Undergraduate Advisors, 3+3 PJP participants complete annual self-assessments that summarize their pre-professional activities and academic achievements, demonstrating their preparation or readiness for entering Pacific's PharmD program.
- D. 3+3 PJP participants meet with a Pacific faculty member twice a year to review their self-assessments, evaluate status in meeting expectations for entering PharmD, and receive guidance on enhancing their portfolios.

4. Transitioning to PharmD

- The School of Pharmacy (SOP) Office of Academics and Assessment representatives facilitate workshops to help candidates prepare for the formal application process, including drafting personal statements and preparing for interviews.
- To apply as a 3+3 PJP, students must complete PharmCAS's common application, which requires (2) reference forms, and a personal statement.
- 3+3 PJP students who meet the criteria are guaranteed an interview when applying the program.

In order for incoming freshmen to be eligible for this program, they will need to be ready to take calculus in their first year. If a student in the 3+3 PJP chooses to drop out of the program, there will be limited options for this student to complete a 4-year BS degree. To assist this student in continuing with a 4-year BS study, the student will need to take other courses in the 4th year with an emphasis in toxicology and chemistry. In this way, the student will successfully finish a BS degree in Environmental Science. In addition, there may be 1-2 semesters where undergraduate students will be taking the maximum number of credits (18). It will be important for students to meet regularly with undergraduate advisors affiliated with the program (Deke Gundersen, Jeannine Chan, and Julie Layshock), in order to help with creating a balanced curriculum for students in this program.

Scenario I – Special topics (Env 462) taken fall of 2nd year and Tox (Env 344) lecture taken spring 2nd year.

Semester I Hum 100 Foreign Language Chem 220 Math 226 (Calc I) DP requirement (winter)	4 4 4 4 2	Semester II Biol 200 Foreign Language PSY 150 (intro psyc) Chem 230	4 4 4 4
	16		16
Semester III HBIO 230 (A&P I) Chem 300 (O Chem) Econ 101 or 102 Biol 201 Env 462 Special Topics in Tox CE requirement (Winter)	4 4 4 4 1 2	Semester IV HBIO 231 (A&P II) Chem 400 Adv (O Chem) ENGW 201 Env 380 (Env Problem Solving) Env 344 (Enviro Tox)	4 4 4 2 2
	17		16
Semester V Biol 308 PHY 232 Workshop Physics I MEDA 101/110 (speech) 2 nd ENG course Env 495 Independent Research (winter)	4 4 4 4 2	Semester VI Env 361 Methods in Tox PHY 242 Workshop Physics II 2 nd ENG course/MEDA 101/110, Env 224 or 333 (Env Politics or Econ) Art Focal Study course	1 4 4 4 4
	16		17
Semester VII Year 1 PharmD Program See Appendix 1 for classes		Semester VIII Year 1 PharmD Program See Appendix 1 for classes	57
		Total Credits 3 years A&S, + 1 year SOP	153-157

Winter term 1, 2, or 3 take Civic engagement and diverse perspectives requirements

Scenario II - Special topics (Env 462) taken fall of 3rd year and Tox (Env 344) lecture taken spring 3rd year.

Semester I		Semester II	
Hum 100	4	Biol 200	4
Foreign Language	4	Foreign Language	4
Chem 220	4	PSY 150 (intro psyc)	4
Math 226 (Calc I)	4	Chem 230	4
DP requirement (winter)	2		
	16		16
Semester III		Semester IV	
HBIO 230 (A&P I)	4	HBIO 231 (A&P II)	4
Chem 300 (O Chem)	4	Chem 400 Adv (O Chem)	4
Econ 101 or 102	4	ENGW 201	4
Biol 201	4	Env 380 (Env Problem Solving)	2
CE requirement (Winter)	2	Env 361 (Methods in Tox)	1
	17		15
Semester V		Semester VI	
Biol 308	4	Env 344 (Enviro Tox)	2
PHY 232 Workshop Physics I	4	PHY 242 Workshop Physics II	4
MEDA 101/110 (speech)	4	2 nd ENG course/MEDA 101/110, Env 224 or 333 (Env Politics or Econ) (if not taken)	4
2 nd ENG course	4	Art	4
Env 462 Special Topics in Tox	1	Focal Study course	4
Env 495 Independent Research (winter)	2		
	17		18
Semester VII		Semester VIII	
Year 1 PharmD Program		Year 1 PharmD Program	
See Appendix 1 for classes		See Appendix 1 for classes	57
		Total Credits 3 years A&S, + 1 year SOP	153-157

Winter term 1, 2, or 3 take Civic engagement and diverse perspectives requirements

- **By selecting certain focal studies (e.g. environmental stewardship), students would only need to complete 1 additional course outside of the major.**
- **Focal Studies 6, & 22 could be completed by completing the curriculum above. Focal Studies 9, 34, 38, 40, 43, & 46 one one additional course is needed.**
- **Students accepted into Pacific School of Pharmacy program will present their capstone project the following April of their 4th year.**

Year 4 at Pacific College of A&S to finish degree in Environmental Science if student decides not complete 3+3 program.

Completing the Emphasis in Toxicology & Chemistry (if students do not enter the SOP program)

Semester VII (if needed)		Semester VIII (if needed)	
Env 200 (Sustainability Science)	4	Env 490 Capstone	2
CHEM 380 (Biochemistry)	4	Chem 460 (Environmental Chemistry)	2
	8		4

Appendix I

Year 1 Pacific University School of Pharmacy

PHRM-560	Biomedical Sciences: Biochemistry I	2.5
PHRM-590	Pharmacy Practice I	2.5
PHRM-596	IPPE Preparation I	2.5
PHRM-594	Social and Administrative Sciences I	2.0
PHRM-561	Biomedical Sciences: Biochemistry II	2.5
PHRM-562	Pharmaceutical Sciences: Pharmacodynamics & Pharmacokinetics Interface	2.5
PHRM-563	Pharmaceutical Sciences: Central Nervous System I	2.5
PHRM-568	PCR: Pulmonary, Cardio, Renal I	2.5
PHRM-569	PCR: Pulmonary, Cardio, Renal II	2.5
PHRM-570	PCR: Pulmonary, Cardio, Renal III	2.5
PHRM-565	Pharmaceutical Sciences: Central Nervous System II	2.5
PHRM-580	Pharmaceutical Sciences: Gastrointestinal and Nutrition	2.5
PHRM-592	Pharmacy Practice 2	2.5
PHRM-597	IPPE 1 Community	2.0
PHRM-595	Social and Administrative Sciences 2	2.0
PHRM-598	IPPE Preparation II	1.0
PHRM-581	Pharmaceutical Sciences: Endocrine and Sex Hormones	2.5
PHRM-582	Pharmaceutical Sciences: Hematology and Oncology	2.5
PHRM-583	Pharmaceutical Sciences: Immunology and Toxicology	2.5
PHRM-584	Pharmaceutical Sciences: Pharmaceutics I	2.5
PHRM-585	Pharmaceutical Sciences: Pharmacokinetics	2.5
PHRM-586	Pharmaceutical Sciences: Infectious Diseases	2.5
PHRM-587	Pharmaceutical Sciences: Pharmaceutics II	3.0
PHRM-540	End of Year Exam	1.0
CHP 510/511	Interprofessional Competence: Theory & Practice	1.0
Total		57 credits (43 credits of science courses)