

Pacific University School of Natural Sciences Pathways Transfer Guide

Clackamas Community College

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Students are advised to consult early with the Transfer Admissions Counselor and the Advising Center at Pacific University

A Pacific University Bachelor's Degree is comprised of 3 parts: Major, Core, and Electives. This guide is designed to help you select foundations courses for your major. Use this guide in conjunction with the "Pacific University Transfer Guide for Clackamas Community College" which addresses selecting courses to meet our Core requirements. Future transfer students should discuss with a Pacific Advisor the amount of foundation courses for your major and the amount of core you should plan to transfer to Pacific. If you have questions regarding major selection or emphasis selection (for Environmental Studies and Exercise Science), the Advising Center or Admissions Office will connect you with a Faculty Advisor in your proposed major.

Pathways for Future Pacific Transfer Students in the Natural Sciences		
Major	1 st and 2 nd Year Major Foundations Courses at Pacific	Clackamas CC Transfer Equivalencies
Biology	General Biology: BIOL 202 & 204	BI 211, 212, & 213
	General Chemistry: CHEM 220 & 230	CH 221, 222, & 223
	Consult with a Pacific Biology Advisor:	
	General Physics: PHY 202 & 204 or PHY 232 & 242	PHY 201, 202, & 203 or PHY 211, 212, & 213
	OR Organic Chemistry: CHEM 300 & 400	CH 241, 242, & 243*
	OR other Computer Science/Math sequence	Contact Advising Center for Equivalencies
Chemistry	General Chemistry: CHEM 220 & 230	CH 221, 222, & 223
	Organic Chemistry: CHEM 300 & 400	CH 241, 242, & 243*
	Highly Recommended before transferring:	
	General Physics: PHY 202 & 204 or PHY 232 & 242	PHY 201, 202, & 203 or PHY 211, 212, & 213
	Calculus I & II: MATH 226 & 227	MTH (251 or higher placement), 252 & 253
Computer Science	Introduction to Computer Science I: CS 150	CS 161 & 162
	Introduction to Computer Science II: CS 250	CS 162 & 260
	Calculus I: MATH 226 (plus any necessary prerequisites)	MTH (251 or higher placement) & 252
	Discrete Math: MATH 240	No equivalent
	Data Structures: CS 300	No equivalent
	Highly Recommended: Linear Algebra: Math 306	No equivalent
Environmental Science: Biology	General Chemistry: CHEM 220 & 230	CH 221, 222, & 223
	General Biology: BIOL 202 & 204	BI 211, 212, & 213
	ENV 141, ENV 230, 330, and 301	No equivalents
	Introduction to Environmental Studies: ENV 200	No equivalent
	Fundamentals of Organic Chemistry : CHEM 300	CH 241 & 242*
	Choose from: Introduction to Anthropology: ANTH 101 <u>OR</u> Social Problems: SOC 102 (or ENV 224 or 333)	ANTH 103 & <u>OR</u> SOC 225(no equivalents for ENV 224 or 333)

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Major	1 st and 2 nd Year Major Foundations Courses at Pacific	Clackamas CC Transfer Equivalencies
Environmental Science: Chemistry & Toxicology	General Chemistry: CHEM 220 & 230	CH 221, 222, & 223
	General Biology: BIOL 202 & 204	BI 211, 212, & 213
	Calculus I: MATH 226	MTH (251 or higher placement) & 252
	General Physics: PHY 202 & 204 or PHY 232 & 242	PHY 201, 202, & 203 or PHY 211, 212, & 213
	Introduction to Environmental Studies: ENV 200	No equivalent
	Organic Chemistry : CHEM 300 & 400	CH 241, 242 & 243*
	Choose from Environmental Politics: ENV 224 or Environmental Economics: ENV 333	No equivalents
Environmental Studies: Sustainable Design (BA)	Permaculture Design I: ENV 141	No equivalent
	Introduction to Environmental Studies: ENV 200	No equivalent
	Choose from: Introduction to Anthropology: ANTH 101	ANTH 103
	OR Social Problems: SOC 102 (or ENV 224 or 333)	SOC 225 (no equivalents for ENV 224 or 333)
Exercise Science Integrative Physiology	Precalculus (unless higher math placement): MATH 125	MTH 112
	Statistics: Math 207 (or PSY 350 or SOC 301)	MTH 243 & 244
	General Chemistry: CHEM 220 & 230	CH 221, 222, & 223
	General Biology: BIOL 202 & 204	BI 211, 212 & 213
	Anatomy & Physiology: BIOL 224 & 240	BI 231, 232, & 233
	General Physics I: PHY 202 or PHYS 232 (Part II recommended: PHY 204 or 242)	PHY 201 & 202 or 211 & 212 (Part II, PHY 203 or 213)
Exercise Science Motor Behavior	Precalculus (unless higher math placement): MATH 125	MTH 112
	Statistics: MATH 207 (or PSY 350 or SOC 301)	MTH 243 & 244
	Part One of General Biology: BIOL 202	BI 212 & 213 (requires BIO 211 prerequisite)
	Anatomy & Physiology: BIOL 224 & 240	BI 231, 232, & 233
Math	Calculus I & II (full year): MATH 226 & 227	MATH (251 or higher placement), 252 & 253
	Calculus III: MATH 228	No equivalent
	Discrete Mathematics: MATH 240	No equivalent
	Linear Algebra: MATH 306	No equivalent
	Workshop Physics I: PHY 232	PHY 211 & 212
	Introduction to Computer Science: CS 150	CS 161 & 162
Physics	Workshop Physics: PHY 232 & 242 (or 202 & 204)	PHY 211, 212, & 213 (or PHY 201, 202 & 203)
	Calculus I & II: MATH 226 & 227	MTH (251 or higher placement), 252 & 253
	Highly Recommended: Gen Chemistry: CHEM 220 & 230	CH 221, 222, & 223

* Talking with a Pacific Advisor is highly recommended before taking a 200-level over a 300-level Organic Chemistry sequence.

- Only courses of “C-” or higher will be considered for transfer credit
- To graduate from Pacific you need 124 semester hours (186 quarter hours). 30 of the last 40 semester hours must be from Pacific.
- Quarter credits transfer at 2/3 credit, i.e. 90 quarter credits = 60 semester credits (junior class standing)

This guide is subject to change and should not be regarded as a contract between Pacific University and students attending Clackamas Community College. Contact with Pacific is recommended for the most current information.