

# Pacific University School of Natural Sciences Pathways Transfer Guide

## Leeward Community College

### Transfer Admissions Counselor

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### Advising Center

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### Registrar's Office Contacts

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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. To complete core requirements Pacific recommends that students complete the LBRT Associates Degree or contact the Advising Center about selecting classes to meet 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.

Pathways for Future Pacific Transfer Students in the Natural Sciences		
Major	1 <sup>st</sup> and 2 <sup>nd</sup> Year Major Foundations Courses at Pacific	Leeward Transfer Equivalencies
Biology	Introductory Biology: BIOL 200 & 201 with labs	BIOL 171, 171L, 172, & 172L
	General Chemistry: CHEM 220 & 230 with labs	CH 161, 161L, 162, & 162L
	Consult with a Pacific Biology Advisor:	
	General Physics: PHY 202 & 204 or PHY 232 & 242	PHY 151 & 152 & labs or PHY 170 and 272 & labs
	OR Organic Chemistry: CHEM 300 & 400	CH 272, 272L, 273, & 273L*
	OR other Computer Science/Math sequence	Contact Advising Center for Equivalencies
Chemistry	General Chemistry: CHEM 220 & 230 with labs	CH 161, 161L, 162, & 162L
	Organic Chemistry: CHEM 300 & 400	CH 272, 272L, 273, & 273L*
	Highly Recommended before transferring:	
	General Physics: PHY 202 & 204 or PHY 232 & 242	PHY 151 & 152 & labs or PHY 170 and 272 & labs
	Calculus I & II: MATH 226 & 227	MTH (205 or higher placement) & 206
Computer Science	Introduction to Computer Science I: CS 150	Contact Advising Center
	Introduction to Computer Science II: CS 250	Contact Advising Center
	Calculus I: MATH 226 (plus any necessary prerequisites)	MTH (205 or higher placement)
	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 with labs	CH 161, 161L, 162, & 162L
	General Biology: BIOL 202 & 204	BIOL 171, 171L, 172, & 172L
	ENV 141, ENV 230, 330, and 301	No equivalents
	Introduction to Environmental Studies: ENV 200	No equivalent
	Fundamentals of Organic Chemistry : CHEM 300	CH 272, 272L, 273, & 273L*
	Choose from: Introduction to Anthropology: ANTH 101 OR Social Problems: SOC 102 (or ENV 224 or 333)	ANTH 200, SOC 100, <u>OR</u> SOC 218 (no equivalents for ENV 224 or 333)

*More Majors Continued on Back*

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Major	1 <sup>st</sup> and 2 <sup>nd</sup> Year Major Foundations Courses at Pacific	Leeward Transfer Equivalencies
<b>Environmental Science: Chemistry &amp; Toxicology</b>	General Chemistry: CHEM 220 & 230 with labs	CH 161, 161L, 162, & 162L
	Introductory Biology: BIOL 200 & 201 with labs	BIOL 171, 171L, 172, & 172L
	Calculus I: MATH 226	MTH (205 or higher placement)
	General Physics: PHY 202 & 204 or PHY 232 & 242	PHY 151 & 152 & labs or PHY 170 and 272 & labs
	Introduction to Environmental Studies: ENV 200	No equivalent
	Organic Chemistry : CHEM 300 & 400	CH 272, 272L, 273, & 273L*
	Choose from Environmental Politics: ENV 224 or Environmental Economics: ENV 333	No equivalents
<b>Environmental Studies: Sustainable Design (BA)</b>	Permaculture Design I: ENV 141	No equivalent
	Introduction to Environmental Studies: ENV 200	No equivalent
	Choose from: Introduction to Anthropology: ANTH 101	ANTH 200
	OR Social Problems: SOC 102	OR SOC 100 OR 218
<b>Exercise Science Integrative Physiology</b>	Precalculus (unless higher math placement): MATH 125	MTH 135 & 140
	Statistics: Math 207 (or PSY 350 or SOC 301)	MTH 115
	General Chemistry: CHEM 220 & 230 with labs	CH 161, 161L, 162, & 162L
	Introductory Biology: BIOL 200 & 201 with labs	BIOL 171, 171L, 172, & 172L
	Anatomy & Physiology: BIOL 224 & 240	ZOOL 240 & 241 with labs
	General Physics I: PHY 202 or PHYS 232 (Part II recommended: PHY 204 or 242)	PHY 151 & 151L or 170 & 171L (Part II, PHY 152 & 152L or 272 & 272L)
<b>Exercise Science Motor Behavior</b>	Precalculus (unless higher math placement): MATH 125	MTH 135 & 140
	Statistics: MATH 207 (or PSY 350 or SOC 301)	MTH 115
	General Biology (1 class)	BIOL 171 & 171L
	Anatomy & Physiology: BIOL 224 & 240	ZOOL 240 & 241 with labs
<b>Math</b>	Calculus I & II (full year): MATH 226 & 227	MTH (205 or higher placement) & 206
	Calculus III: MATH 228	MATH 231 & 232
	Discrete Mathematics: MATH 240	No equivalent
	Linear Algebra: MATH 306	No equivalent
	Workshop Physics I: PHY 232	PHY 170 & 170L
	Introduction to Computer Science: CS 150	Contact Advising Center
<b>Physics</b>	Workshop Physics: PHY 232 & 242 (or 202 & 204)	PHY 151 & 152 & labs or PHY 170 and 272 & labs
	Calculus I & II: MATH 226 & 227	MTH (205 or higher placement) & 206
	Highly Recommended: Gen Chemistry: CHEM 220 & 230	CH 161, 161L, 162, & 162L

\* 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.

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

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