

**TRANSFER ARTICULATION AGREEMENT  
ORANGE COAST COLLEGE  
2023 - 2024**

**BIOLOGY, Bachelor of Science**

This agreement includes courses that may be completed prior to transfer, and satisfy major requirements. To be considered for transfer, all required courses for the major must be completed with a grade of C- or better. *NOTE: These courses are not required for admission to CUI.* Students must complete 18 units required for the major in residence at CUI. Please refer to the CUI Catalog for a complete list of majors and degree requirements: <http://catalog.cui.edu/>. Also view Transfer Policies/Requirements on the website at: <https://www.cui.edu/studentlife/registrar/undergraduate-transfer-credits>

**Students are encouraged to review GE course options to identify courses that may apply to both GE and major prerequisites/requirements.**

**\*\*Online science labs are not accepted in transfer.**

CONCORDIA UNIVERSITY IRVINE	ORANGE COAST COLLEGE
BIO 111 General Biology I	BIOL A180 Introduction to Biology for Majors I: Cell and Molecular Biology
BIO 112 General Biology II	BIOL A185 Introduction to Biology for Majors 2: Ecology, Evolution, Diversity, and Physiology
CHE 221 Chemistry I	CHEM A180 General Chemistry A
CHE 222 Chemistry II	CHEM A185 General Chemistry B
CHE 321 Organic Chemistry I	CHEM A220 Organic Chemistry A <b>AND</b> CHEM A220L Organic Chemistry Laboratory A <span style="color: red;">*Both required</span>
CHE 322 Organic Chemistry II	CHEM A225 Organic Chemistry B <b>AND</b> CHEM A225L Organic Chemistry Laboratory B <span style="color: red;">*Both required</span>
MTH 271 Calculus I	MATH A180 Calculus 1 <b>or</b> MATH A180H Honors Calculus 1
MTH 272 Calculus II	MATH A185 Calculus 2 <b>or</b> MATH A185H Honors Calculus 2
<b>Choose one pair below:</b> PHY 211 Physics I and PHY 212 Physics II <b>or</b> PHY 221 Calculus-based Physics I and PHY 222 Calculus-based Physics II	PHYS A120 Algebra-Based Physics: Mechanics PHYS A125 Algebra-Based Physics: Electricity, Magnetism <b>or</b> PHYS A185 Calculus-Based Physics: Mechanics PHYS A280 Calculus-Based Physics: Electricity and Magnetism
Additional courses that may be taken to fulfill degree requirements:  BIO 246 Human Anatomy and Physiology I BIO 247 Human Anatomy and Physiology II	Additional courses that may be taken to fulfill degree requirements:  BIOL A220 Human Anatomy <b>AND</b> BIOL A225 Human Physiology = BIO 246 & 247 <span style="color: red;">*Both required</span>

Updated Nov. 2023