

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, San Diego
2022-2023 General Catalog, Quarter

From: De Anza College
2022-2023 General Catalog, Quarter

Oceanic and Atmospheric Sciences B.S.

GENERAL INFORMATION

DATED MATERIAL, SUBJECT TO CHANGE. PLEASE CONSULT CURRENT UCSD GENERAL CATALOG FOR ANY ADDITIONAL INFORMATION.

Effective Fall 2022, major preparation will be required for this major. For details, visit:
<http://admissions.ucsd.edu/MajorPrep>

Special Advising Note:

Transfer students are strongly advised to complete as many of the preparatory courses for their major as soon as possible prior to enrolling at UC San Diego. Preparing well for the major helps students move efficiently toward graduation.

The UCSD Scripps Institution of Oceanography Undergraduate Department offers an oceanic and atmospheric sciences major leading to a B.S. degree, with emphasis on the quantitative aspects of the field. As a guiding concept, the oceanic and atmospheric sciences curriculum focuses on the physics and chemistry governing the ocean and atmosphere. The major engages students in a wide range of topics of scientific interest and increasing social concern including ocean waves, tides and circulation, natural climate variability including El Niño, human-caused climate change, global warming, ocean acidification, atmospheric storms, and oceanic eddies.

For more information see the Scripps Undergraduate Education Web page at
<https://scripps.ucsd.edu/undergrad>

UC San Diego Advanced Placement (AP) and International Baccalaureate (IB) credit policies are detailed in the links below:

Advanced Placement (AP) <https://www.ucsd.edu/catalog/pdf/APC-chart.pdf>

International Baccalaureate (IB) https://catalog.ucsd.edu/_files/international-baccalaureate-credits-chart.pdf

SIO 60 - Experiences in Oceanic and Atmospheric Sciences (4.00)

← This course must be taken at the university after transfer

CHEM 6A - General Chemistry I (4.00)

← **CHEM 1A** - General Chemistry (5.00)

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CHEM 1AH - General Chemistry - HONORS (5.00)

CHEM 6B - General Chemistry II (4.00)

← **CHEM 1B** - General Chemistry (5.00)

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CHEM 1BH - General Chemistry - HONORS (5.00)

CHEM 6C - General Chemistry III (4.00)

← **CHEM 1C** - General Chemistry and Qualitative Analysis (5.00)

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CHEM 1CH - General Chemistry and Qualitative Analysis - HONORS (5.00)

CHEM 7L - Introductory Inorganic Chemistry Laboratory (4.00)

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CHEM 1B - General Chemistry (5.00)

--- And ---

CHEM 1C - General Chemistry and Qualitative Analysis (5.00)

--- Or ---

CHEM 1BH - General Chemistry - HONORS (5.00)

--- And ---

CHEM 1CH - General Chemistry and Qualitative Analysis - HONORS (5.00)

MATH 18 - Linear Algebra (4.00)	←	MATH 2B - Linear Algebra (5.00) <div>--- Or ---</div> MATH 2BH - Linear Algebra - HONORS (5.00)
MATH 20A - Calculus for Science and Engineering (4.00)	←	MATH 1A - Calculus (5.00) <div>--- Or ---</div> MATH 1AH - Calculus - HONORS (5.00)
MATH 20B - Calculus for Science and Engineering (4.00)	←	MATH 1B - Calculus (5.00) <div>--- Or ---</div> MATH 1BH - Calculus - HONORS (5.00)
MATH 20C - Calculus and Analytic Geometry for Science and Engineering (4.00)	←	<div> MATH 1C - Calculus (5.00) <div>--- And ---</div> MATH 1D - Calculus (5.00) </div> <div>--- Or ---</div> <div> MATH 1CH - Calculus - HONORS (5.00) <div>--- And ---</div> MATH 1DH - Calculus - HONORS (5.00) </div>
MATH 20D - Introduction to Differential Equations (4.00)	←	MATH 2A - Differential Equations (5.00) <div>--- Or ---</div> MATH 2AH - Differential Equations - HONORS (5.00)
MATH 20E - Vector Calculus (4.00) <ul style="list-style-type: none"> • <i>Articulation is subject to placement by proficiency exam</i> • <i>Petition department after transfer</i> 	←	No Course Articulated

PHYS 2A - Physics - Mechanics (4.00)	←	PHYS 4A - Physics for Scientists and Engineers: Mechanics (6.00)
PHYS 2B - Physics - Electricity and Magnetism (4.00)	←	PHYS 4B - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)
PHYS 2C - Physics - Fluids, Waves, Thermodynamics, and Optics (4.00)	←	PHYS 4C - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)
PHYS 2BL - Physics Laboratory - Mechanics (2.00)	←	PHYS 4A - Physics for Scientists and Engineers: Mechanics (6.00)
PHYS 2CL - Physics Laboratory - Electricity and Magnetism (2.00)	←	PHYS 4B - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)

END OF AGREEMENT