CHECKLIST FOR ATMOSPHERIC SCIENCES UNDERGRADUATES (BS)

STUDENT NAME: __________________________ I.D. NUMBER: __________________________

EMAIL: __________________________ @hawaii.edu • ATMO ADVISOR: __________________________

SOEST REQUIREMENT: □ OEST 100, The College Experience (1)

BASIC REQUIREMENTS (30 credits):
□ CHEM 161, General Chemistry (3) □ CHEM 162, General Chemistry II (3)
□ CHEM 161L, General Chemistry Lab (1)
□ MATH 241, Calculus I (4) □ MATH 243, Calculus III (3)
□ MATH 242, Calculus II (4) □ MATH 244, Calculus IV (3)
□ PHYS 170, General Physics I (4) □ PHYS 272, General Physics II (3)
□ PHYS 170L, General Physics I Lab (1) □ PHYS 272L, General Physics II Lab (1)

ATMO REQUIRED: (26-30 credits)
□ ATMO 101L Introduction to Meteorology Lab (1)
□ ATMO 200 Atmospheric Processes and Phenomena (3)
□ ATMO 302 Atmospheric Physics (3)
□ ATMO 303 Introduction to Atmospheric Dynamics (3)
□ ATMO 305 Meteorology Instruments Observations (3)
□ ATMO 320 Programming for Meteorologists (3) OR ICS 111 Introduction to Computer Sciences I (4)
□ ATMO 402 Applied Atmospheric Dynamics (3)
Two of the following three courses:
□ ATMO 405 Synoptic Satellite Meteorology (3)
□ ATMO 412 Meteorological Analysis Lab (4)
□ ATMO 416 Tropical Analysis Lab (4)

ATMO ELECTIVES (9 credits)
A minimum of 9 credits from physical and mathematical science courses such as those with DP (Physical Sciences) designations. These include (but are not limited to) courses in Earth Sciences, Engineering, Geography, Information and Computer Sciences, Mathematics, Oceanography, Physics, and Soil Sciences.

□ ATMO 310, Global Environmental Change (3) □ MATH 302, Introduction to Differential Equations I (3)
□ ATMO 406, Tropical Meteorology (3) □ MATH 303, Introduction to Differential Equations II (3)
□ ATMO 449, Climate Model, Data Anal & Apps (3) □ MATH 311, Introduction to Linear Algebra (3)
□ ATMO 600, Atmospheric Dynamics I (3) □ MATH 371, Elementary Probability Theory (3)
□ GEOG 300, Introduction to Climatology (3) □ MATH 373, Elementary Statistics (3)
□ GEOG 303, General Geomorphology (3) □ MATH 402, Partial Differential Equations I (3)
□ GEOG 400, Vegetation and the Climate System (3) □ MATH 405, Ordinary Differential Equations (3)
□ GEOG 401, Climate Change (3) □ OCN 320, Aquatic Pollution (3)
□ GEOG 402, Agricultural Climatology (3) □ OCN 363, Earth System Science Databases (3)
□ GEOG 403, Fluvial Geomorphology (3) □ OCN 401, Biogeochemical Systems (3)
□ GEOG 405, Water in the Environment (3) □ OCN 620, Physical Oceanography (4)

□ GG 312, Adv. Math for Scientists & Engineers I (3) □ PHYS 274, General Physics III (3)
□ GG 420, Beaches, Reefs & Climate Change (3) □ PHYS 305, Computational Physics (3)
□ GG 455, Hydrogeology (4) □ PHYS 400, Applications of Math.in Physical Sciences (3)
□ GG 460, Geological Remote Sensing (4)
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Fall 2019