

Atmospheric and Oceanic Sciences (AOS) Major

Requirement	Credit Hours	Course(s)
Wellness	2	APPH 1040 or APPH 1050 or APPH 1060
Institutional Priority	3	CS 1301 <u>or</u> CS 1371
Mathematics & Quantitative Skills	4	MATH 1552
Political Science & U.S. History	3	HIST 2111 <u>or</u> HIST 2112 <u>or</u> INTA 1200 <u>or</u> POL 1101 <u>or</u> PUBP 3000
Art, Humanities, and Ethics	6	Choose from institute approved Humanities courses
Communicating in Writing	3	ENGL 1101
	3	ENGL 1102
Technology, Mathematics, and Sciences	4	PHYS 2211
	4	CHEM 1211K
	2	MATH 1551
	2	MATH 1553
Social Sciences	9	Choose from institute approved Humanities courses
Field of Study	4	PHYS 2212
	4	MATH 2551
	4	MATH 2552
	4	EAS 1600
	1	EAS 2551
	1	EAS 4101
Major Requirements	3	EAS 2655
	3	EAS 2750
	3	EAS 3603
	4	EAS 4655 & EAS 4656
	3	EAS 4740 <u>or</u> EAS 4670 <u>or</u> EAS 4305
	7	Capstone Credits: EAS 4490 <u>or</u> EAS 4420 <u>and</u> EAS 4610 <u>or</u> GaTech Research Option
AOS Technical Electives	15	Choose 15 credits from list of approved courses below
Free Electives	21	
TOTAL:	122	<i>*Pass/fail allowed only for Humanities, Social Sciences, and Free Electives.</i> <i>* GT1000 is recommended under Free Electives</i> <i>* 39 hours out of total 122 must be at 3000 level or above</i>

Approved AOS Technical Electives

Other courses may be Technical Electives if approved by the AOS advisors.

Students completing AMS/NWS requirements will be advised on which specific courses to complete

CHEM 1211K: Chemistry I

CHEM 1212K: Chemistry II

CHEM 1310: Principles of General Chemistry for Engineers

CS 1301: Intro to Computing

CS 1371: Computing for Engineers

EAS 2655: Quantitative Methods

EAS 3110: Energy, Environment and Society

EAS 4300: Oceanography

EAS 4305: Physical and Chemical Oceanography

EAS 4410: Climate and Global Change

EAS 4420: Environmental Field Methods

EAS 4450: Synoptic Meteorology

EAS 4525: Weather Risk

EAS 4470: Large Scale Atmospheric Circulation

EAS 4740: Atmospheric Chemistry

EAS 4420: Environmental Field Methods

EAS 4480: Environmental Data Analysis

EAS 4610: Earth System Modeling

EAS 4651: NWS Practical Internship

EAS 4670: Atmospheric Dynamics II

EAS 4695: Undergraduate Internship

EAS 4698: Directed Study

EAS 4699: Undergraduate Research

EAS 4803: Special Topics Approved Course

Ex. Tropical Dynamics, Glacial and Ice Sheet Dynamics

EAS 4814: Special Topics Approve Course

Ex. Geophysical Field Methods, Mesoscale Meteorology