Climate and Biosystems Modeling

(Some courses below may serve as Directed Electives or Guided CAS/COF Electives, but the total for both categories must be at least 29 credits. See adviser)

Course Number		# Credits	Title	Term Completed & Grade
				(for advisor's use)

Required

Climate: Choose one, or choose another appropriate course approved by research mentor:

_____		ATS 420	4	Principles of Climate	_____
_____	or	GEO 323	4	Climatology	_____

Biosystems: Choose one, or choose another appropriate course approved by research mentor:

_____		ATS 464	3	Vegetation and the Atmosphere	_____
_____	or	BI 370	3	Ecology	_____
_____	or	BOT 341	4	Plant Ecology	_____
_____	or	CE 412	4	Hydrology	_____
_____	or	FE 430	4	Watershed Processes	_____
_____	or	FOR 341	3	Forest Ecology	_____
_____	or	FW 320	3	Introductory Population Dynamics	_____
_____	or	OC 441	3	Introduction to Biological Oceanography	_____

Quantitative Modeling: Choose one, or choose another appropriate course approved by research mentor:

_____		BEE 320	3	Biosystems Modeling Techniques	_____
_____	or	ST 435	3	Quantitative Ecology	_____
_____	or	ST 443	3	Applied Stochastic Models	_____

Computer Programming. Choose one, or choose another appropriate course approved by research mentor:

_____		CS 151	4	Introduction to C Programming	_____
_____	or	CS161	4	Introduction to Computer Science	_____

Statistics. Choose one sequence from this list:

_____		ST 411, and 412	4, 4	Methods of Data Analysis	_____
_____					_____
_____	or	ST421, ST 422	4, 4,	Intro to Mathematical Statistics	_____
					_____

Specialization and Breadth Courses
(6-9 credits, at least 4 from CAS/COF) Upper Division Courses Approved by Research Mentor

_____		____	_____	_____
_____		____	_____	_____
_____		____	_____	_____

Total = 29 credits

_____   _____
Mentor's Signature   Date