

01-May-09

AOSS Undergraduate Curriculum - Climate Science Concentration

Semester	1	2	3	4	5	6	7	8
Course 1	Math 115 4	Math 116 4	Math 215 4	Math 216 4	AOSS 380: Intro Rad Transfer 4	AOSS 350: Atmos Thermo* 4	AOSS 410: Earth Sys Models 4	Experiential course** 4
Course 2	Chem 125/126 & 130 or Chem 210/211 5	Phys 140/141 5	Phys 240/241 5	AOSS 323 Earth Sys Analysis 4	AOSS 370: Solar-Terrestrial Relations 4	AOSS 467: BioGeochem Cycles 3	AOSS 411: Cloud and Precip. 3	Component course** 4
Course 3	Engin 100 4	Engin 101 4	AOSS 320: Earth Sys Evolution 4	AOSS 321: Earth Sys Dynamics 4	Tech Elective 4	Component course** 4	Component course** 4	Tech Elective 4
Course 4	Hu/SS 3	Hu/SS 3	Hu/SS 3	Hu/SS 4	Hu/SS 3	Unrestricted Elective 5	Unrestricted Elective 6	Tech Elective 4
College	13	13	9	4				39
Hum/SS	3	3	3	4	3			16
Core			4	8	8	4	4	28
Conc						7	7	8 22
Tech					4		0	8 12
Unrestricted						5	6	11
	16	16	16	16	15	16	17	16 128

* Alternatives: MECHENG 235 Thermodynamics or CHE 350 Chemical Engineering Thermodynamics

****EXPERIENTIAL-Climate**

- AOSS 441 Meteorology and Climate of the Rockies (3)
- AOSS 462 Instrumentation for Atmos. and Space Sci. (4)
- AOSS 475 Earth System Interactions (4)
- ENGR 450 Multidisciplinary Design (4)
- GEOSCI 341 Ecosystem Science in the Rockies (5)
- GEOSCI 344 Sustainable and Fossil Energy (3)

****COMPONENT-Climate**

- AOSS 401 Geophysical Fluid Dynamics (4)
- AOSS 422 Boundary Layer Meteorology (3)
- AOSS 451 Atmospheric Dynamics I (4)
- AOSS 476 Ocean Dynamics and Climate (4)
 - or AOSS 420 Environmental Ocean Dynamics (4)
 - or GEOSCI 421 Principles of Physical Oceanography (3)
- AOSS 475 Earth System Interactions (4)
- GEOSCI 452 Paleoclimatology (3)
 - or GEOSCI 446 Paleoclimatology (3)

LEGEND

College requirements
AOSS Core - Common to all Concentrations
Concentration classes
Tech and Unrestricted Electives