

# Atmospheric Science Major

## Advisor Checklist

Name: \_\_\_\_\_  
Student ID#: \_\_\_\_\_

Minor: \_\_\_\_\_  
Date of Entry to Major: \_\_\_\_\_

### UCD AND COLLEGE REQUIREMENTS (3-11 UNITS)

#### BACKGROUND

Subject A \_\_\_\_\_

American History/Inst. \_\_\_\_\_

May be satisfied by:

- 1 year High School US History/Government
- AP exam for American History/Government
- One of these courses:
  - AAS 10, 100, 120, 121
  - ASA 1, 2
  - ECN 111A, 111B
  - HIS 17A, 17B, 17C, 72A, 72B, 72C, 170A, 170B, 170C, 171A, 171B, 174A, 174B, 175A, 175B, 175C, 176A, 176B, 177A, 177B, 179, 180A, 180B, 183A, 183B
  - NAS 1, 10, 55, 116, 130A, 130B, 130C
  - POL 1, 5, 100, 101, 102, 103, 104, 105, 106, 108, 109, 130, 131, 160, 163
- Equivalent transfer credit

#### ENGLISH COMPOSITION (3-11)

English Composition Requirement\* \_\_\_\_\_

May be satisfied by:

- English Composition Examination (offered each quarter)
- One course emphasizing written expression and one course emphasizing oral expression
  - Written: ENL 3; UWP 1, 18, 19, 101, 102A, 102B, 102C, 102D, 102E, 102F, 102G, 104A, 104B, 104C, 104D, 104E, 104F
  - Oral: one additional course from the list above or CMN 1, COM 1, 2, 3, 4, NAS 5

#### Major Written Expression Requirement

Take one of the following courses:

- UWP 101
- UWP 102A-K
- UWP 104A-I
- Or a course selected with adviser approval

\*note-Subject A must be satisfied before any writing course can count towards the General Education requirement

### GENERAL EDUCATION (28 UNITS)

#### 3 Arts and Humanities Courses

  
  

#### 3 Social Sciences Courses

  
  

#### 3 Writing Courses

  
  

Diversity Course:

IGETC

(GE completed at Community College)

After satisfaction of above university requirement, additional units in social sciences or humanities courses to total 28 units.

**PREPARATORY SUBJECT MATTER (63 UNITS)**

<b>Mathematics (22)</b>	<u>Completed</u>	<u>Outstanding</u>	<b>Physics (15)</b>	<u>Completed</u>	<u>Outstanding</u>
MAT 21A (I II III, 4 units)	_____	_____	PHY 9A (III, 5 units)	_____	_____
MAT 21B (I II III, 4 units)	_____	_____	PHY 9B (I, 5 units)	_____	_____
MAT 21C (I II III, 4 units)	_____	_____	PHY 9C (II, 5 units)	_____	_____
MAT 21D (I II III, 4 units)	_____	_____			
MAT 22A (I II III, 3 units)	_____	_____	<b>Biological Sciences (4)</b>		
MAT 22B (I II III, 3 units)	_____	_____	PLS 2 (II, 4 units)	_____	_____
<b>Chemistry (10)</b>			<b>Computer Science (4)</b>		
CHE 2A (I II, 5 units)	_____	_____	ECS 30 (I II III, 4 units)	_____	_____
CHE 2B (II III, 5 units)	_____	_____	(or course approved by Master Adviser)		
<b>Meteorology (4)</b>			<b>Statistics (4)</b>		
ATM 60 (I, 4 units)	_____	_____	STA 13 (I II III, 4 units)	_____	_____

**DEPTH SUBJECT MATTER (41 UNITS)**

<u>Subject Area &amp; Units</u>	<u>Classes</u>	<u>Recommended Year</u>	<u>Completed</u>
<b>Atmospheric Science (28)</b>	ATM 110 – Weather Observation & Analysis (III, 4) <i>[Prereq: ATM 60]</i>	Sp 2 <sup>nd</sup> /3 <sup>rd</sup> yr	_____
	ATM 111 – Weather Analysis & Prediction (II, 3) <i>[Prereq: ATM 110, 121B, 111L concurrently]</i>	Wtr 4 <sup>th</sup> yr	_____
	ATM 111L – Weather Prediction Lab (II, 2) <i>[Prereq: ATM 110, 121B, 111 concurrently]</i>	Wtr 4 <sup>th</sup> yr	_____
	ATM 120 – Atm. Thermodynamics & Clouds (I, 4) <i>[Prereq: MAT 21C, PHY 9B, ATM 60]</i>	Fall 3 <sup>rd</sup> yr	_____
	ATM 121A – Atmospheric Dynamics (II, 4) <i>[Prereq: ATM 120, MAT 21D, PHY 9B]</i>	Wtr 3 <sup>rd</sup> yr	_____
	ATM 121B – Atmospheric Dynamics (III, 4) <i>[Prereq: ATM 121A]</i>	Sp 3 <sup>rd</sup> yr	_____
	ATM 124 – Meteor. Instruments & Obs. (I, 3) <i>[Prereq: ATM 60 and PHY 5C]</i>		_____
	ATM 128 – Radiation & Satellite Meteor. (II, 4) <i>[Prereq: ATM 60, PHY 9B, MAT 22B, 21D]</i>		_____
	<b>Upper Division Atmospheric Science Courses (7)</b>	Courses selected with advisor's approval. (Not including 192 or 199)	<input type="text"/> <input type="text"/>
<b>Computer Science (4)</b>	One of: ENG 6(I II III, 4), ATM 150(II, 4), ECI 119A (II, 4), or course selected with advisor's approval.		_____
<b>Internship (2)</b>	ATM 192 or 199		_____

## RESTRICTED ELECTIVES (15 UNITS)

**Restricted Electives are a coordinated group of courses that will serve as a concentration area. (Total of 15 Units)**

To be chosen with advisor's approval from mathematics, computer science, environmental studies, communications, resource management, or a physical or biological science (at least 10 upper division units).

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**Total Units Completed** \_\_\_\_\_ **Total Upper Division** \_\_\_\_\_ **Total Units Outstanding** \_\_\_\_\_

## UNIT REQUIREMENTS

	Total Upper Div Units	Total Units
<b>UNIVERSITY AND COLLEGE REQUIREMENTS (3-11)</b>	_____	_____
<b>GENERAL EDUCATION (28)</b>	_____	_____
<b>PREPARATORY SUBJECT MATTER (63)</b>	_____	_____
<b>DEPTH SUBJECT MATTER (41)</b>	_____	_____
<b>RESTRICTED ELECTIVES (15)</b>	_____	_____
<b>UNRESTRICTED ELECTIVES (28-39)</b>	_____	_____
<b>TOTAL UNITS FOR THE DEGREE</b>	<b><u>54</u></b>	<b><u>180</u></b>
<b>UNITS OUTSTANDING</b>	_____	_____

**Abbreviations:**

AAS African American Studies	ESM Environmental Science and Management
ASA Asian American Studies	ESP Environmental Science and Policy
ATM Atmospheric Science	GEL Geology
BIS Biological Sciences	HIS History
CHE Chemistry	HYD Hydrology
CMN Communications	MAT Mathematics
COM Comparative Literature	NAS Native American Studies
DRA Dramatic Arts	POL Political Science
ECI Engineering: Civil and Environmental	PHY Physics
ECN Economics	SSC Soil Science
ECS Engineering Computer Science	STA Statistics
ENG Engineering	
ENL English	
ERS Environmental and Resource Sciences	

I = Fall  
 II = Winter  
 III = Spring