

# Course Change Request

Date Submitted: 03/18/19 9:52 am

Viewing: **ATMO 605 : Operational Forecasting**

Last edit: 03/18/19 9:52 am

Changes proposed by: koerner

### In Workflow

- 1. CLAS Undergraduate Program and Course Coordinator
- 2. CUSA Subcommittee
- 3. CUSA Committee
- 4. CAC
- 5. CLAS Final Approval
- 6. Registrar
- 7. PeopleSoft

Catalog Pages referencing this course

- [BS in Atmospheric Science with concentration in General Meteorology.](#)
- [BS in Atmospheric Science with concentration in Hydrometeorology.](#)
- [BS in Atmospheric Science with concentration in News Media](#)

Academic Career Undergraduate, Lawrence

Subject Code ATMO Course Number 605

Academic Unit Department Geography  
School/College College of Lib Arts & Sciences

Do you intend to offer any portion of this course online?  
**No**

Title Operational Forecasting

Transcript Title Operational Forecasting

Effective Term **Summer 2019**

**Catalog Description** Students enhance their forecasting expertise by preparing forecasts for presentation to the public through a variety of media. Classroom activities include weekly map discussions and analysis of current weather situations. Forecasting topics such as forecast verification, aviation forecast products, severe weather, flash floods and watches and warnings are examined. Credit for ATMO 605, ATMO 606, and ATMO 607 is limited to a total of eight hours, six of which may be counted toward a degree in atmospheric science.

**Prerequisites** ATMO 505 and ATMO 640 ~~505-~~

**Cross Listed Courses:**

Credits 2

Course Type Field Studies (Example: Geog 714 Field Experience) (FLD)

Grading Basis A-D(+/-)FI (G11)

Is this course part of the University Honors Program? No

Are you proposing this course for KU Core? No

Typically Offered Once a Year, Usually Spring

Repeatable for credit? Yes

How many times may this course be **taken** 4 - AND/OR - For how many **maximum credits** 8

Can a student be enrolled in multiple sections in the same semester?  
No

**Principal Course Designator**

Course Designator N - Natural Sciences

Are you proposing that the course count towards the CLAS BA degree specific requirements?  
**No**

Will this course be required for a degree, major, minor, certificate, or concentration?

### Approval Path

- 1. 03/18/19 3:53 pm Rachel Schwien (rschwien): Approved for CLAS Undergraduate Program and Course Coordinator
- 2. 04/05/19 8:50 am Rachel Schwien (rschwien): Approved for CUSA Subcommittee

No

[Rationale for Course Proposal](#)

The course material is too advanced without the additional prerequisite.

[KU Core Documents](#)

[Course Reviewer Comments](#)

Key: 2665



# Program Change Request

Date Submitted: 03/18/19 10:00 am

Viewing: **GEOG-BS : Atmospheric Science, B.S.**

Last approved: 02/13/18 10:42 am

Last edit: 03/18/19 10:00 am

Changes proposed by: koerner

Catalog Pages Using this Program [Bachelor of Science in Atmospheric Science](#)

Academic Career	Undergraduate, Lawrence
Program Type	Degree/Major
Department/Program	Geography
School/College	College of Lib Arts & Sciences
Degree Code	Bachelor of Science - BS
Consulting School(s)/College(s)	
Consulting Department(s)	
CIP Code	400401
Program Name	Atmospheric Science, B.S.
Do you intend to offer a track(s)?	No
Do you intend for this program to be offered online?	No
Effective Catalog	2020 - 2021

## In Workflow

- A. CLAS Undergraduate Program and Course Coordinator
- B. CUSA Subcommittee
- C. CUSA Committee
- D. CAC
- E. CLAS Final Approval
- F. Future Academic Catalog

## Approval Path

- A. 03/18/19 4:02 pm  
Rachel Schwien (rschwien): Approved for CLAS Undergraduate Program and Course Coordinator
- B. 04/05/19 8:50 am  
Rachel Schwien (rschwien): Approved for CUSA Subcommittee

## History

- A. Nov 11, 2016 by Kim O'Bryon (kobryon)
- B. May 22, 2017 by Beverly Koerner (koerner)
- C. Feb 13, 2018 by Beverly Koerner (koerner)

[Program Description](#)

[Degree Requirements](#)

## Advising

Students who may decide to major in atmospheric science should confer early with a departmental representative about the selection of courses.

### Requirements for the B.S. Degree in Atmospheric Science

4 specialized options are available for students who plan professional careers in meteorology or atmospheric science. The **general meteorology** option satisfies all the traditional professional meteorology requirements for employment with the National Weather Service, airlines, or other agencies. The **air pollution meteorology** option meets the need for trained specialists. The **hydrometeorology** option may lead to a career as a meteorologist in one of the many water-related activities in private and governmental agencies. The **news media forecasting** option can lead to a career forecasting the weather on television or radio. The B.S. degree with any of these specialties also prepares students to begin graduate programs in meteorology or atmospheric science.

#### Written Communication - Core Skill and Critical Inquiry

Code	Title	Course List	Hours
Composition			
Satisfied by one of the following: <sup>1</sup>			
<a href="#">ENGL 101</a>	Composition		
ACT English score of 27 or above or SAT English score of 600 or above			
AP English Literature & Composition score of 3 or above			
Equivalent transfer course			
Critical Reading and Writing			
Satisfied by one of the following: <sup>2</sup>			
<a href="#">ENGL 102</a>	Critical Reading and Writing		
<a href="#">ENGL 105</a>	Honors Introduction to English		
AP English Literature & Composition score of 4 or above			
Equivalent transfer course			
Sophomore Reading and Writing II			
Satisfied by one of the following:			
<a href="#">ENGL 203</a>	Topics in Reading and Writing: _____		
<a href="#">ENGL 205</a>	Freshman-Sophomore Honors Proseminar: _____		
<a href="#">ENGL 209</a>	Introduction to Fiction		
<a href="#">ENGL 210</a>	Introduction to Poetry		
<a href="#">ENGL 211</a>	Introduction to the Drama		
<a href="#">ENGL 362</a>	Foundations of Technical Writing (recommended)		
AP English Literature & Composition score of 5 or above			
Equivalent			

<sup>1</sup> Requirement must be completed during initial term of admission at KU.

<sup>2</sup> Requirement must be completed within the first academic year at KU.

#### Communication - Core Skills and Critical Inquiry. Satisfied by the following:

Code	Title	Course List	Hours
Select one of the following:			
<a href="#">COMS 130</a>	Speaker-Audience Communication		
<a href="#">COMS 131</a>	Speaker-Audience Communication, Honors		
or <a href="#">COMS 150</a>	Personal Communication		
Course List			
Code	Title	Course List	Hours
Atmospheric Science Prerequisite or Co-requisite Knowledge			
Majors must complete courses as specified in each of the following areas. Majors are advised to take honors courses when eligible. These hours do not contribute to the minimum number of hours required for the major.			
Computing and Programming. Satisfied by the following:			
<a href="#">EECS 138</a>	Introduction to Computing: _____ (Fortran preferred; C++ and Matlab accepted)		3
Scientific Principles of Environmental Studies. Satisfied by the following:			
<a href="#">EVRN 148</a>	Scientific Principles of Environmental Studies		3
Calculus I. Satisfied by one of the following:			
<a href="#">MATH 125</a>	Calculus I		4
or <a href="#">MATH 145</a>	Calculus I, Honors		
Equivalent			
Calculus II. Satisfied by one of the following:			
<a href="#">MATH 126</a>	Calculus II		4
or <a href="#">MATH 146</a>	Calculus II, Honors		
Equivalent			
General Physics I. Satisfied by one of the following:			
			5-6

Code	Title	Hours
<a href="#">PHSX 211</a> & <a href="#">PHSX 216</a>	General Physics I and General Physics I Laboratory	
<a href="#">PHSX 114</a> & <a href="#">PHSX 201</a> & <a href="#">PHSX 216</a>	College Physics I and Calculus Supplement to College Physics I and General Physics I Laboratory	
<a href="#">PHSX 213</a>	General Physics I Honors	
General Physics II. Satisfied by one of the following:		4-6
<a href="#">PHSX 212</a> & <a href="#">PHSX 236</a>	General Physics II and General Physics II Laboratory	
<a href="#">PHSX 115</a> & <a href="#">PHSX 202</a> & <a href="#">PHSX 236</a>	College Physics II and Calculus Supplement to College Physics II and General Physics II Laboratory	
<a href="#">PHSX 214</a>	General Physics II Honors	
Foundations of Chemistry I. Satisfied by the following:		
<a href="#">CHEM 130</a> or <a href="#">CHEM 190</a> & <a href="#">CHEM 191</a>	General Chemistry I Foundations of Chemistry I, Honors and Foundations of Chemistry I Laboratory, Honors	5
Vector Calculus. Satisfied by the following:		
<a href="#">MATH 127</a> or <a href="#">MATH 147</a>	Calculus III Calculus III, Honors	4
Elementary Linear Algebra. Satisfied by the following:		
<a href="#">MATH 290</a> or <a href="#">MATH 291</a>	Elementary Linear Algebra Elementary Linear Algebra, Honors	2
Applied Differential Equation. Satisfied by the following:		
<a href="#">MATH 320</a> or <a href="#">MATH 220</a>	Elementary Differential Equations Applied Differential Equations	3
Statistics. Satisfied by the following:		
<a href="#">MATH 526</a> or <a href="#">DSCI 202</a>	Applied Mathematical Statistics I Statistics	3
Numerical Methods. Satisfied by the following:		
<a href="#">MATH 581</a> <a href="#">GEOG 358</a>	Numerical Methods Introduction to Geographic Information Systems	3 4
Atmospheric Science Core Knowledge and Skills		
Majors must complete all of the following:		
Introductory Meteorology. Satisfied by:		5
<a href="#">ATMO 105</a>	Introductory Meteorology	
Climate and Climate Change. Satisfied by:		3
<a href="#">ATMO/GEOG 321</a>	Climate and Climate Change	
Weather Forecasting. Satisfied by:		3
<a href="#">ATMO 505</a>	Weather Forecasting	
Microclimatology. Satisfied by:		3
<a href="#">ATMO/GEOG 521</a>	Microclimatology	
Synoptic Meteorology. Satisfied by:		3
<a href="#">ATMO 630</a>	Synoptic Meteorology	
Dynamic Meteorology. Satisfied by:		3
<a href="#">ATMO 640</a>	Dynamic Meteorology	
Remote Sensing. Satisfied by:		3
<a href="#">ATMO 642</a>	Remote Sensing	
Advanced Dynamic Meteorology. Satisfied by:		3
<a href="#">ATMO 660</a>	Advanced Dynamic Meteorology	
Physical Meteorology. Satisfied by:		3
<a href="#">ATMO 680</a>	Physical Meteorology	
Seminar for Seniors. Satisfied by:		1
<a href="#">ATMO 697</a>	Seminar for Seniors	
Total Hours		77-80

~~Humanities—Understanding the Human Condition.Satisfied by completing 1 course with requirement code H.Approved courses may be searched for availability through the Kyou portal.Social and Behavioral Sciences—Understanding Society and Behavior.Satisfied by completing one course with requirement code S.Approved courses may be searched for availability through the Kyou portal.~~**Meteorology Option**

Students selecting this major must select one of the following options:

### General Meteorology Option

This option satisfies all the traditional professional meteorology requirements for employment with the National Weather Service, airlines, or other agencies.

Course List		
Code	Title	Hours
Air Pollution Meteorology. Satisfied by:		
<a href="#">ATMO 525</a>	Air Pollution Meteorology	3
Operational Forecasting. Satisfied by:		
<a href="#">ATMO 605</a>	Operational Forecasting	2
Advanced Synoptic Meteorology. Satisfied by:		
<a href="#">ATMO 650</a>	Advanced Synoptic Meteorology	3

### Air Pollution Meteorology Option

This option meets the need for trained specialists.

Course List		
Code	Title	Hours
Air Pollution Meteorology. Satisfied by:		
<a href="#">ATMO 525</a>	Air Pollution Meteorology	3
Foundations of Chemistry II. Satisfied by:		
<a href="#">CHEM 135</a>	General Chemistry II	5
or <a href="#">CHEM 195</a>	Foundations of Chemistry II, Honors	
& <a href="#">CHEM 196</a>	and Foundations of Chemistry II Laboratory, Honors	
Introduction to Environmental Engineering and Science. Satisfied by:		
<a href="#">CE 477</a>	Introduction to Environmental Engineering and Science	3

### Hydrometeorology Option

This option may lead to a career as a meteorologist in one of the many water-related activities in private and governmental agencies.

Course List		
Code	Title	Hours
Air Pollution Meteorology. Satisfied by:		
<a href="#">ATMO 525</a>	Air Pollution Meteorology	3
Operational Forecasting. Satisfied by:		
<a href="#">ATMO 605</a>	Operational Forecasting	2
Statics and Dynamics. Satisfied by:		
<a href="#">CE 301</a>	Statics and Dynamics	5
Fluid Mechanics. Satisfied by:		
<a href="#">CE 330</a>	Fluid Mechanics	3
Hydrology. Satisfied by:		
<a href="#">CE 455</a>	Hydrology	3

### News Media Forecasting Option

This option can lead to a career forecasting the weather on television or radio.

Course List		
Code	Title	Hours
Operational Forecasting. Satisfied by:		
<a href="#">ATMO 605</a>	Operational Forecasting	2
Advanced Synoptic Meteorology. Satisfied by:		
<a href="#">ATMO 650</a>	Advanced Synoptic Meteorology	3
Infomania: Information Management. Satisfied by:		
<a href="#">JOUR 302</a>	Infomania: Information Management	3
Writing for Media. Satisfied by:		
<a href="#">JOUR 304</a>	Media Writing	3
Multimedia Reporting. Satisfied by:		
<a href="#">JOUR 415</a>	Multimedia Reporting	3

## Major Hours & Major GPA

While completing all required courses (above), majors must also meet each of the following hour and grade-point average minimum standards:

#### Major Hours

Satisfied by 33 hours of major courses.

#### Major Hours in Residence

Satisfied by a minimum of 15 hours of KU resident credit in the major.

#### Major Junior/Senior (300+) Hours

Satisfied by a minimum of 30 hours from junior/senior courses (300+) in the major.

#### Major Junior/Senior (300+) Graduation GPA

Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F's and repeated courses. See the [Semester/Cumulative GPA Calculator](#).

Rationale for proposal

The Humanities and Social and Behavioral Sciences requirements are already covered by the KU Core.

Additional Information

Supporting Documents

Program Reviewer Comments

Key: 381



# Program Change Request

Date Submitted: 03/19/19 10:39 am

Viewing: **SPLH-CRTU : Learning and Communication in Children with Autism**

Last approved: 06/12/17 3:41 pm

Last edit: 03/25/19 1:47 pm

Changes proposed by: kgrosche

Catalog Pages Using this Program [Undergraduate Certificate in Learning and Communication in Children with Autism](#)

Academic Career	Undergraduate, Lawrence		
Program Type	Certificate		
Department/Program	Speech-Language-Hearing		
School/College	College of Lib Arts & Sciences		
Consulting School(s)/College(s)	<table border="1"> <tr> <th>School(s)/College(s)</th> </tr> <tr> <td>College of Lib Arts &amp; Sciences</td> </tr> </table>	School(s)/College(s)	College of Lib Arts & Sciences
School(s)/College(s)			
College of Lib Arts & Sciences			
Consulting Department(s)	<table border="1"> <tr> <th>Department(s)</th> </tr> <tr> <td>Applied Behavioral Science</td> </tr> </table>	Department(s)	Applied Behavioral Science
Department(s)			
Applied Behavioral Science			
CIP Code	51.0201		
Program Name	Learning and Communication in Children with Autism		
Do you intend to offer a track(s)?	No		
Do you intend for this program to be offered online?	No		
Effective Catalog	2020 - 2021		

- In Workflow**
- A. CLAS Undergraduate Program and Course Coordinator
  - B. CUSA Subcommittee
  - C. CUSA Committee
  - D. CAC
  - E. CLAS Final Approval
  - F. Future Academic Catalog

- Approval Path**
- A. 03/25/19 1:47 pm  
Rachel Schwien (rschwien): Approved for CLAS Undergraduate Program and Course Coordinator
  - B. 04/05/19 8:50 am  
Rachel Schwien (rschwien): Approved for CUSA Subcommittee

- History**
- A. Jun 12, 2017 by Nancy Brady (nbrady)

**Program Description**

Students completing this certificate program will learn about communication development in children with Autism Spectrum Disorders (ASD) and learn about behavioral assessment and intervention strategies. It is designed to promote interest in undergraduates who may be considering careers such as education or specialized therapy (e.g., speech language pathologist, applied behavior analyst, occupational therapist, physical therapist). An additional goal is to promote awareness of some of the communication challenges faced by individuals with ASD so that participants in the certificate program will become more informed citizens in our increasingly diverse world

[Degree Requirements](#)

**Course List**

Code	Title	Hours
<del>SPLH 464/764</del>	<del>Undergraduate Seminar in: _____ Communication in Autism</del>	<del>4-3</del>
<b>SPLH 430</b>	<b>Communication and Autism</b>	<b>3</b>
or <b>SPLH 830</b>	<b>Communication and Autism</b>	



Code	Title	Hours
<a href="#">ABSC 350</a>	The Behavioral Treatment of Children with Autism	3
Complete one of the following courses in Speech-Language-Hearing:		
<a href="#">SPLH 261</a>	Survey of Communication Disorders	3
<a href="#">SPLH 566</a>	Language Development	3
<a href="#">SPLH 497</a>	Mentored Research Experience	2-8
<a href="#">SPLH 498</a>	Departmental Honors Research	2-8
Complete one of the following (hands-on experiences)		
<a href="#">ABSC 680</a>	Practicum in Advanced Laboratory in the Development of Behavioral Treatments for Children with Autism	1-6
<a href="#">SPLH 452</a>	Examining Global Perspectives in Speech-Language-Hearing: _____ <small>Study Abroad in Peru</small>	3
A minimum of 12 credit hours required to complete certificate		

Rationale for proposal

Proposed course number change for SPLH 464/764 Seminar: \_\_\_\_\_ (Communication in Autism) will become SPLH 430/830 Communication and Autism so it is a stand alone course and not listed under Seminar options. This is also a 3 credit course.

Additional Information

~~syllabi for the required courses are available upon request and from the websites for the SPLH and ABS departments.~~

Supporting Documents

Program Reviewer Comments

Key: 519

